## Step 1: Create Directory

The first thing we need to do is create a directory to store all our web sites files.

Assuming the domain name for our web site is example.com, let’s create a directory called example.com in /var/www.

sudo mkdir /var/www/example.com

## Step 2: Create Test HTML File

Create a HTML file called index.html in the root of the directory we just created in the previous step and add the following HTML.

sudo gedit /var/www/example.com/index.html

Add the following code to the file and then save it.

<html>

<head><title>example.com</title></head>

<body>example.com</body>

</html>

## Step 3: Create the Virtual Hosts File

Apache comes with a default Virtual Host file called 000-default.conf that we can use as a template for new Virtual Hosts. This is the default virtual hosts that acts as a catch all for domains that are pointed to the server but are not assigned to a virtual host.

Copy the default Virtual Host with the following command:

sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/example.com.conf

Open the virtual host file:

sudo gedit /etc/apache2/sites-available/example.com.conf

The file should look like the following:

<VirtualHost \*:80>

ServerAdmin webmaster@localhost

DocumentRoot /var/www/html

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

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

</VirtualHost>

As you can see by the DocumentRoot directive, the files are served from /var/www/html. We need to change this to the directory we created in the first step. For example:

DocumentRoot /var/www/example.com

We also need to add a new directive that maps the example.com domain to this virtual host. This is done with the ServerName and ServerAlias directives. For example:

ServerName example.com

ServerAlias www.example.com

The final file should look like the following:

<VirtualHost \*:80>

ServerAdmin webmaster@localhost

DocumentRoot /var/www/example.com

ServerName example.com

ServerAlias www.example.com

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

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

</VirtualHost>

Save and close the file.

## Step 4: Enable the Virtual Host

1) Enable the virtual host using the a2ensite tool:

sudo a2ensite example.com.conf

2) Apply the changes to Apache

service apache2 reload

3) Disable the default-host

root@admini-G41M-ES2L:/etc/apache2/sites-available# sudo a2dissite 000-default.conf

Output--Site 000-default already disabled

4) Also add statement in hosts file of /etc directory

ip address of the machine [www.example.com](http://www.example.com/)

5) root@admini-G41M-ES2L:/etc# gedit hosts

## Step 5: Test the Site

Make sure the A record of your domain points to the IP address of the machine and then open up a browser. If all is correct, then you should see the following output.



