

Deploying a website on localhost using Apache2

Deploy a website on localhost using either apache2 or nginx. Create a DNS name for this website as 'awesomeweb'. You can use any web template you want or can write your own simple html code. Write a detailed documentation with steps involved.

Here is a step-by-step guide on how to deploy a website on localhost using Apache2:

1. Install Apache2 :

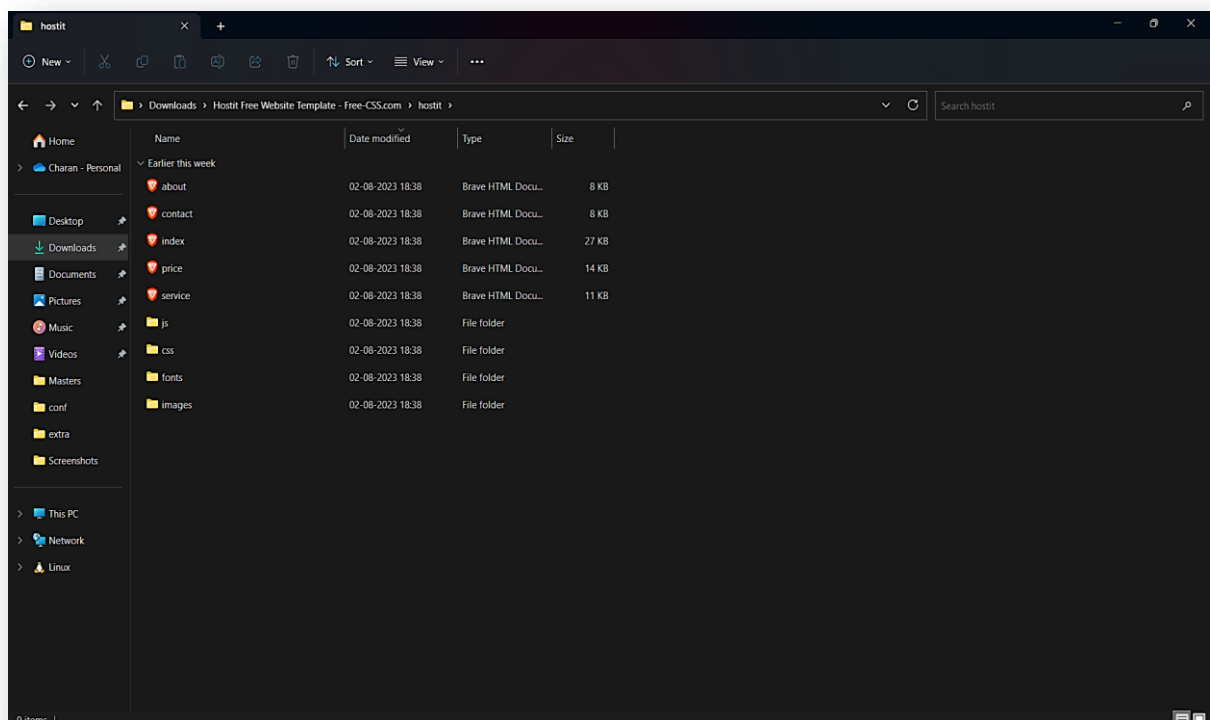
- First, we need to install Apache2 on our system. Downloaded [wampserver3.3.0 x64](#) application.

2. Start Apache2 :

- After installing Apache2, you need to start the Apache2 service.

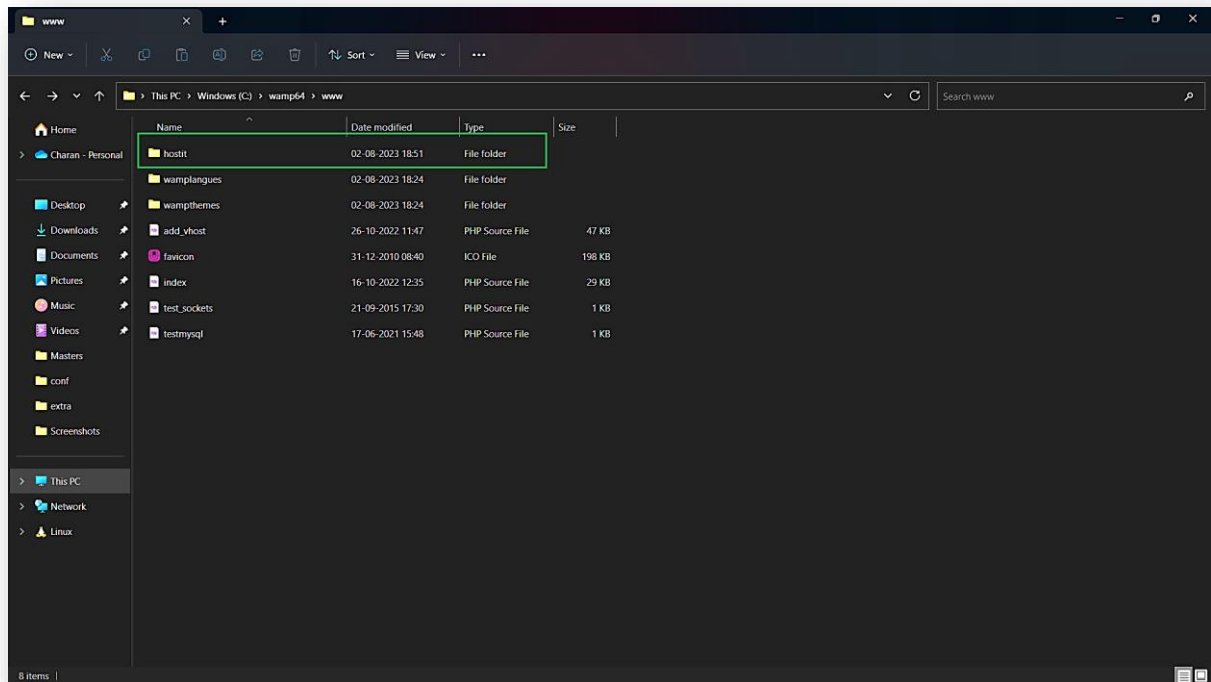
3. Create your website:

- Create your website files (HTML, CSS, JavaScript, images, etc.) and organize them in a directory.
- Here we have utilised Hostit directory with all the required website files inside it.



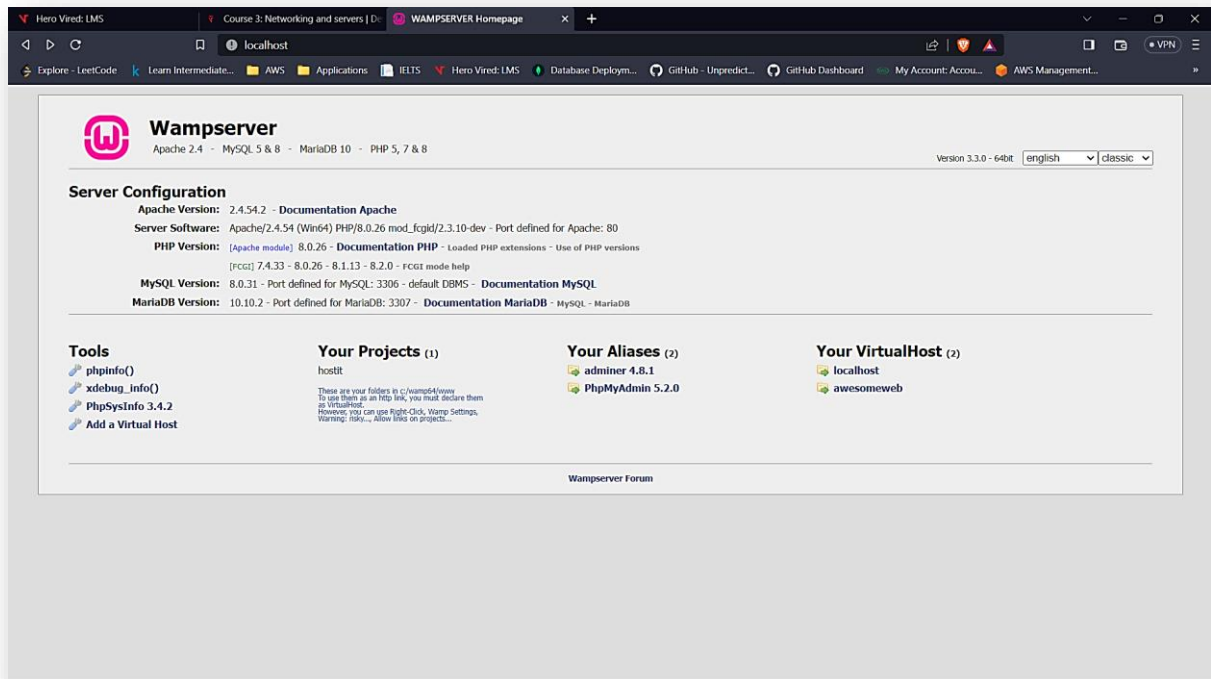
4. Move your website to the Apache2 directory:

- Move your website directory to the /var/www directory, which is the default directory for Apache2 to serve web pages.
- You can find the “Hostit” website directory in the /wamp64/www directory of the wampserver folder.



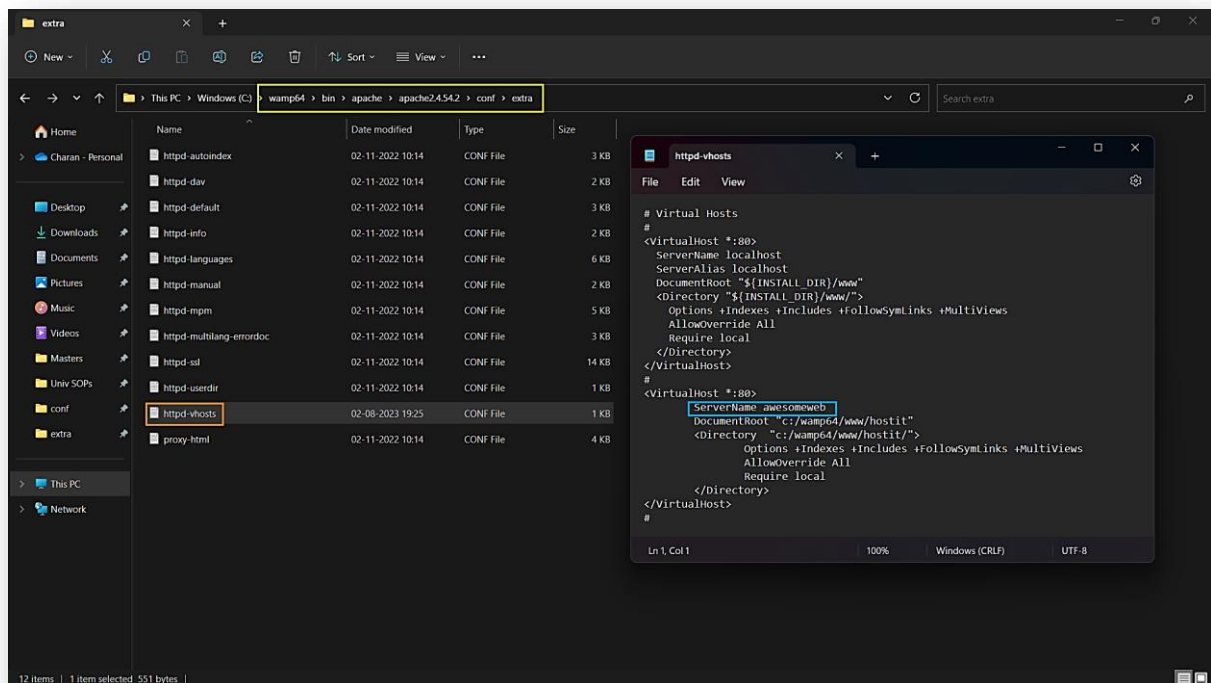
5. Access your website:

- After moving your website to the Apache2 directory, you can access it by opening a web browser and going to <http://localhost>



6. Create a DNS name:

- As per requirement, we need to create a DNS name for this website as 'awesomeweb'.
- **DNS Name** : DNS stands for **Domain Name System**. It is a system that translates human-readable domain names, such as example.com, into the numerical IP addresses that computers use to identify each other on the internet.



- In order to change the DNS name of the website, we need to add ServerName 'awesomeweb' to the httpd-vhosts conf file in the wamp64/bin/apache/apache2.4.54.2/conf/extra folder.

7. Access the website after DNS name change:

- After changing the DNS name in the above step, we need to restart all the servers in order to reflect our latest changes in the web server.
- Enter <http://awesomeweb> in the browser page and you'll find the application hosted on this particular DNS name.

