

Setup an online web server and create php web pages

Register at 'Digital Ocean'.

Step1: Login to Digital Ocean

Step2: Create droplets

- Select Size -> 512MB/1CPU 20GB SSD DISK 1TB Transfer
- Select Region -> San Francisco 1
- Select Image -> Ubuntu 12.04.3 x64

Step3: Setup Host name and record information.

Install necessary software at personal computer

Step1: Install SSH -> Putty

Step2: Install FileZilla

Step3: Install notepad ++

Install LAMP on Ubuntu

Step1: open ssh and connect to web server

Step2: type into ssh #sudo apt-get install taskel

FTP and upload file

Step1: Open File Zilla connect to web server

Step2: Copy index.php that I wrote "hello word" and past into server /var/www/

Step3: Go to <http://198.199.95.236> and can see hello word

Setup apache virtual hosts (not necessary still can use <http://198.199.95.236>)

Step1: Login to SSH and connect to server

Step2: create dir at server /var/www/foldername

Step3: Grant permission #chown -R \$USER:\$USER /var/www/foldername

Step4: create Index page into this directory

Step5: Create a new virtual host file #cp /etc/apache2/sites-available/default /etc/apache/sites-available/domainname.com

Step6: open new configuration file nad change direction at <VirtualHost #:80> ...</VirtualHost>

Step7: activate the host # a2ensite domainname.com

Step8: restart apache #service apache2 restart

Setup Secure Socket Layer (SSL)

Step1: Open SSH and connect to server

Step2: Enable SSL on the droplet #sudo a2enmod ssl

Step3: restart Apache # sudo service apache2 restart

Step4: make directory #sudo mkdir /etc/apache2/ssl

Step5: Request certificate # `sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout /etc/apache2/ssl/apache2.key -out /etc/apache2/ssl/apache.crt`
Step6: After few second cmd requests to key in information and fill up necessary information and press enter.
Step7: Setup the certificate # `nano /etc/apache2/sites-available/default-ssl`
Step8: change ServerName example.com:443 and save changes one.
Step9: Activate the New Virtual Host # `sudo a2ensite default-ssl`
Step10: Restart Apache # `sudo service apache2 restart`
Step11: Go to browser and can use "https" eg: <https://198.199.95.236>

Setup Firewall

Step1: Open SSH and connect to server
Step2: download config server firewall # `wget http://www.configserver.com/free/csf.tgz`
Step3: uncompressing # `tar -xzf csf.tgz`
Step4: Disable UFW # `ufw disable`
Step5: Execute CSF installer # `cd csf` and # `sh install.sh`

Setup Database

Step1: Go to browser <https://mydomain/phpmyadmin/>
Step2: login with user name and password
Step3: Create database and create user login table
Step4: save password using MD5('pass')

Start to write php web pages

Step1: open notepad++
Step3: write php web pages
Step3: Save under `/var/www/foldername`
Step4: Go to Browser and see the updated pages