**VyOS – base on Debian**

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| **Install Linux, Apache, MySQL, PHP (LAMP)** |
| Step One—Install Apache  yum install httpd  service httpd start |
| Step Two—Install MySQL  yum install mysql-server  service mysqld start  To install the MySQL server 5.6,follow the given below steps.  wget http://repo.mysql.com/mysql-community-release-el6-5.noarch.rpm  rpm -ivh mysql-community-release-el6-5.noarch.rpm  yum install mysql-server  Once it is done installing, you can set a root MySQL password:  sudo /usr/bin/mysql\_secure\_installation  Allow remote connection to mysql  GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'%' IDENTIFIED BY 'password' WITH GRANT OPTION;  FLUSH PRIVILEGES; |
| Step Three—Install PHP  yum install php php-mysql  PHP Modules  PHP also has a variety of useful libraries and modules that you can add onto your server. You can see the libraries that are available by typing:  yum search php-  Terminal then will display the list of possible modules.  To see more details about what each module does, type the following command into terminal, replacing the name of the module with whatever library you want to learn about.  yum info name of the module  Once you decide to install the module, type:  yum install name of the module  You can install multiple libraries at once by separating the name of each module with a space.  PHP 5.6  yum -y update  yum -y install epel-release  wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-6.noarch.rpm  wget https://centos6.iuscommunity.org/ius-release.rpm  rpm -Uvh ius-release\*.rpm  yum -y update  yum -y install php56u php56u-opcache php56u-xml php56u-mcrypt php56u-gd php56u-devel php56u-mysql php56u-intl php56u-mbstring php56u-bcmath php56u-soap |

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| **.bash\_profile** |
| # .bash\_profile  # Get the aliases and functions  if [ -f ~/.bashrc ]; then  . ~/.bashrc  fi  # User specific environment and startup programs  PATH=$PATH:$HOME/bin  export PATH  server\_ip="210.211.108.107";  open\_red\_escape="\033[31m"  open\_blue\_escape="\033[34m"  open\_green\_escape="\033[32m"  close\_escape="^\033[0m"    echo -e " "  echo -e "${open\_blue\_escape}+----------------------------------------------------------------------"  echo -e "${open\_blue\_escape}| ${open\_green\_escape}Server IP: ${open\_red\_escape}"$server\_ip  echo -e "${open\_blue\_escape}+----------------------------------------------------------------------${open\_green\_escape}"  df -h | column -c 6 | awk '{ printf "\033[22;34m| \033[22;32m%s\t%s\t\033[22;31m%s\t%s\t%s\n", $1, $6, $2, $3, $4,$5 }'  echo -e "${open\_blue\_escape}+----------------------------------------------------------------------${close\_escape}"  echo -e " " |

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| **FTP Server VSFTP** |
| yum install -y vsftpd  Sau khi cài đặt vsftpd thành công, bạn sẽ thấy file “/etc/vsftpd/vsftpd.conf” là nơi chứa thông tin cấu hình cho vsftpd.  Các lệnh của vsftpd :  service vsftpd start #khởi động vsftpd  service vsftpd restart #khởi động lại vsftpd  service vsftpd stop #stop vsftpd  Tạo user FTP Server  useradd ftp\_user  useradd –d /path/username username //Add to special path  passwd ftp\_user  Sau khi tạo thành công user “ftp\_user” thì thư mục “/home/ftp\_user/” sẽ được tạo để chứa các file cho user “ftp\_user”  Cấu hình bảo mật cho vsftpd  Bạn mở file cấu hình của vsftpd “/etc/vsftpd/vsftpd.conf” và chỉnh sửa các nội dung sau :  “anonymous\_enable=YES” sửa thành “anonymous\_enable=NO”  “local\_enable=NO” sửa thành “local\_enable=YES“  “chroot\_local\_user=NO” sửa thành “chroot\_local\_user=YES“  In /etc/vsftpd/vsftpd.conf, ensure all all of the following are set:-  chroot\_local\_user=YES  chroot\_list\_enable=YES  chroot\_list\_file=/etc/vsftpd.chroot\_list  In other words (for reference):-  means that by default, ALL users get chrooted except users in the file...  chroot\_local\_user=YES  chroot\_list\_enable=YES  means that by default, ONLY users in the file get chrooted...  chroot\_local\_user=NO  chroot\_list\_enable=YES  Change user's home directory with  Usermod -d /var/local/www/xxx user\_name  -n : without create group  Change password  passwd  Delete user  userdel USERNAME  List all user  vi /etc/passwd |

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| **.phalcon** |
| yum install gcc  yum install git  cd /tmp  git clone --depth=1 git://github.com/phalcon/cphalcon.git --branch version\_name  cd cphalcon/build  sudo ./install |

**Pfsense – Base on FreeBSD**