

Steps to setup AWS environment for Laravel with CentOS Control Panel, phpMyAdmin

1. Launch EC2 instance
 - a. Login to <http://console.aws.amazon.com>
 - b. Select EC2 from services
 - c. Click on "Launch Instance" button
 - d. Left hand side click on "AWS Marketplace"
 - e. In the search box type "centos 7"
 - f. Press "Select" for "**CentOS 7 (x86_64) - with Updates HVM**"
 - g. Click on "Continue"
 - h. Select radio button "t2.medium"
 - i. Leave all default values and click on "Review and Launch"
 - j. Once instance is ready, select that instance and from details click on "Security group" of that instance
 - k. Open port 80, 443, 2030 and 2031 by Editing rules
2. Connect it to using "PuTTY" software with Keypair file you have create during launch
3. Enable root login without Keypair
 - a. Edit file => **vi /etc/ssh/sshd_config**
 - b. Search for **PermitRootLogin** and make it "**yes**"
 - c. Same for **PasswordAuthentication** -> **yes**
 - d. Change root password with => **passwd**
 - e. **service sshd restart**
 - f. Try to connect to EC2 using root and new password from new terminal without Keypair
4. Set hostname for EC2
 - a. Fire command => **hostnamectl set-hostname --static login.thebuyersassistant.com**
 - b. Then edit file => **vi /etc/cloud/cloud.cfg**
 - c. Add line at the bottom of the file => **preserve_hostname: true**
 - d. **yum install wget -y**
 - e. **yum install vim**
 - f. **yum update**
 - g. **reboot**
5. Now install CentOS Web Panel (CWP) which also includes PHP, phpMyAdmin and Database server
 - a. **wget <http://centos-webpanel.com/cwp-el7-latest>**
 - b. **sh cwp-el7-latest**
 - c. Press Enter to **reboot**
 - d. From browser login to CWP => <http://IP of server:2030>

- e. Go to PHP settings and switch to version <= 7.x
- f. Wait for 15-20 minutes
6. Now install Laravel framework
 - a. Install Composer => **php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"**
 - b. Next command => **php composer-setup.php**
 - c. Next command => **cp composer.phar /usr/bin/composer**
 - d. Now go to root of Apache => **cd /usr/local/apache/htdocs**
 - e. Rename exiting index file => **mv index.html to index.html.original**
 - f. Create new Laravel project => **composer create-project laravel/laravel .**
 - g. Create vhost for this => **vi /usr/local/apache/conf.d/vhost....conf**
 - i. **<VirtualHost *:80>**
 - ii. **ServerName login.thebuyersassistant.com**
 - iii. **ServerAdmin root@localhost**
 - iv. **DocumentRoot "/usr/local/apache/htdocs/public"**
 - v. **<Directory "/usr/local/apache/htdocs/public">**
 - vi. **Options Indexes MultiViews FollowSymLinks**
 - vii. **AllowOverride All**
 - viii. **</Directory>**
 - ix. **</VirtualHost>**
 - h. Edit host file => **vim /etc/hosts** and add **127.0.0.1 login.thebuyersassistant.com**
 - i. You can upload exiting Laravel files also at **/usr/local/apache/htdocs**
 - j. Create the zip from destination machine
 - k. Upload it to server using "WinSCP" software
 - l. Unzip the file
 - m. Copy all files and subfolders to **/usr/local/apache/htdocs**
 - n. **cp */usr/local/apache/htdocs**
 - o. **cd /usr/local/apache/htdocs**
 - p. **chown -R nobody:nobody ***
 - q. **chcon -R system_u:object_r:httpd_sys_rw_content_t:s0 ***
 - r. **php artisan cache:clear**
 - s. **php artisan migrate**
 - t. **php artisan db:seed**
 - u. Restart the Apache server or CenOS server