HOW TO SET UP OPEN ENVENTORY ON A NEW VIRTUAL VPS

This guide is created for new unmanaged VPS from A2hosting.com
OS: CentOS 7
Ram: 1GB
Hard drive: 20 GB
Bandwidth: 2 TB

TABLE OF CONTENT:

A. INITIAL SETUP

1. Login into A2 account, service to find the following info:
   IP or hostname (if the domain name has been set up/registered)
   Ssh username
   SSH password
   SSH port

2. Connect to server using ssh. If you are on a Mac, use Terminal and type in the following command. If you are on a Window, you can use CMD (if CMD does not work, google "connecting to ssh on Window" to find the program)

```
ssh -p xxxx yy@ zz.zz.zz.zz
```

   xxxx: port number
   yy: username
   zz.zz.zz.zz: ip or hostname

   Select "Yes" if asked to continue connecting

   If there is a problem, follow this link:
   https://www.a2hosting.com/kb/getting-started-guide/accessing-your-account/using-ssh-secure-shell

3. To secure your ssh and your server, set up new user and deactivate root login via SSH by following **steps 2, 3, and 5** in this tutorial:
   https://www.digitalocean.com/community/tutorials/initial-server-setup-with-centos-7

   Install sudo by:

```
yum –y install sudo
```

4. Optional: Setting up time by following this link:
   https://www.tecmint.com/set-time-timezone-and-synchronize-time-using-timedatectl-command/

5. Following this link to set up LAMP stack:

   In step 3, replace this part with:

```
firewall-cmd --permanent --zone=public --add-service=http
firewall-cmd --permanent --zone=public --add-service=https
firewall-cmd --reload
```

```
yum –y install firewalld
systemctl start firewalld

firewall-cmd --permanent --zone=public --add-service=http
firewall-cmd --permanent --zone=public --add-service=https
firewall-cmd --permanent --zone=public --add-port=7822/tcp
firewall-cmd –reload

systemctl enable firewalld
```

In step 4: choose PHP7.2

Follow this tutorial from steps 1-5, make sure instruction for specific steps as indicated above

https://www.howtoforge.com/tutorial/centos-lamp-server-apache-mysql-php/

6. Install the following packages to prepare for Open enventory

```
yum -y install php-mysql php-gd php-mbstring php-pear zlib-devel ghostscript
ImageMagick libreoffice

systemctl restart httpd
```

7. Download oe:
   Create a “download” folder; download OE (get the exact link from website: https://sourceforge.net/projects/enventory/files/?source=navbar); unzip OE and copy to the right location:

```
mkdir download
cd download
wget https://sourceforge.net/projects/enventory/files/open_enventory_2018-02-21.zip
unzip open_enventory_2018-02-21.zip
cp -rp open_enventory_2018-02-21/. /var/www/html/oe
```

8. Go to http://xx.xx.xx.xx/oe
   With xx.xx.xx.xx: is the server’s ip address

9. The OE website should load like screenshot below

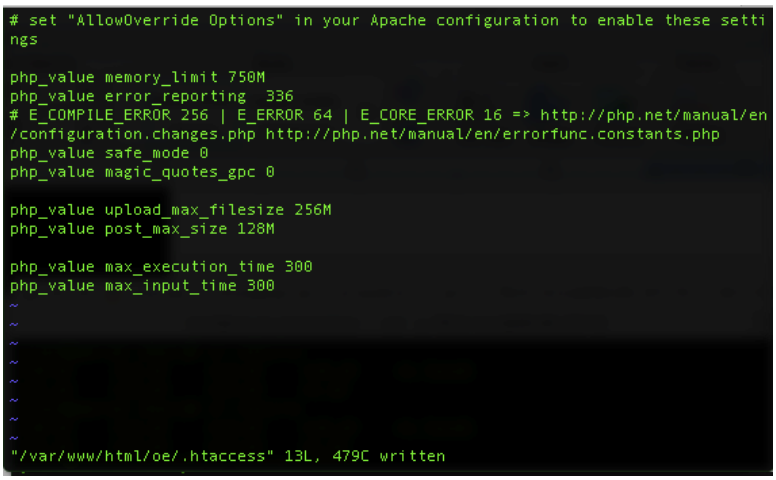
Database: choose the desired database's name
Username: root
Password: use the mariadb password that was set up in step 5 of this tutorial

10. If successful, this page will load:

11. Modify .htaccess file

```
vi /var/www/html/oe/.htaccess
```

Modify the content of the file as in this screenshot. Important: these setting is for the server with configuration as indicated in the top of this tutorial



Save the file (hit Esc, type ":wq" and then Enter) and restart httpd service

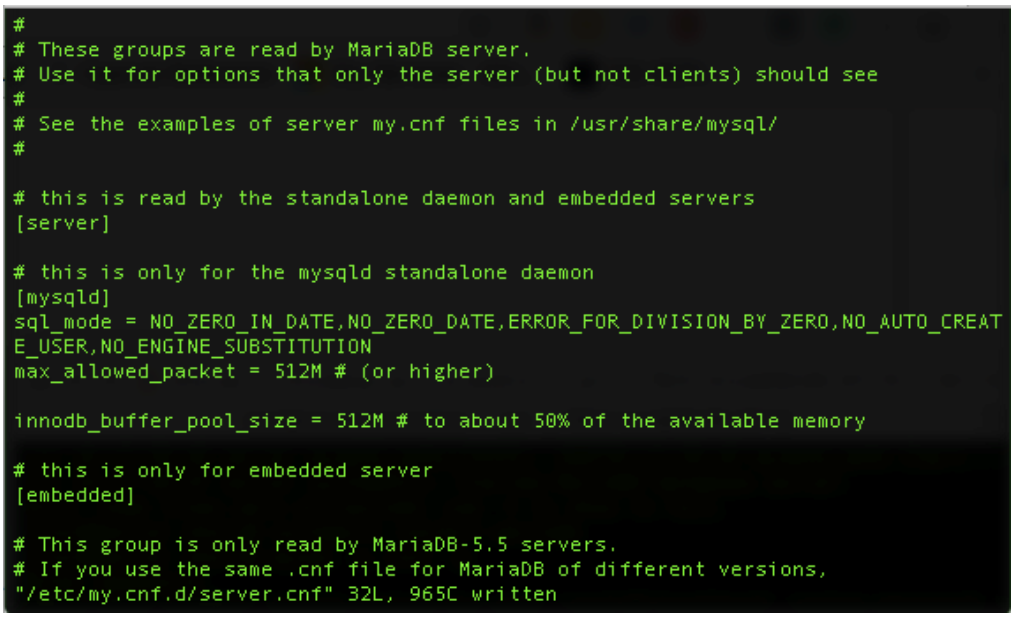
```
systemctl restart httpd
```

12. Modify mysqld config:

```
vi /etc/my.cnf.d/server.cnf
```

Right after "mysqld", add:

sql_mode = NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_AUTO_CREATE_USER,NO_ENGINE_SUBSTITUTION max_allowed_packet = 64M # (or higher) innodb_buffer_pool_size = 1024M # to about 50% of the available memory



Save the file (hit Esc, type ":wq" and then Enter) and restart httpd and mariadb services

```
systemctl restart httpd mariadb
```

You are done with the initial set up here. Open enventory is ready to be used at this type. Below are optional extra set up that can be set up afterward.