

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 | 2 |
|------------------------|---|

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 inventory

```
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_inventory_2018-02-21.zip  
unzip open_inventory_2018-02-21.zip  
cp -rp open_inventory_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

```
# set "AllowOverride Options" in your Apache configuration to enable these settings

php_value memory_limit 750M
php_value error_reporting 336
# E_COMPILE_ERROR 256 | E_ERROR 64 | E_CORE_ERROR 16 => http://php.net/manual/en/configuration.changes.php http://php.net/manual/en/errorfunc.constants.php
php_value safe_mode 0
php_value magic_quotes_gpc 0

php_value upload_max_filesize 256M
php_value post_max_size 128M

php_value max_execution_time 300
php_value max_input_time 300
~
~
~
~
~
~
"/var/www/html/oe/.htaccess" 13L, 479C written
```

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

12. Modify mysql 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_US
ER,NO_ENGINE_SUBSTITUTION max_allowed_packet = 64M # (or higher) innodb_buffer_pool_size =
1024M # to about 50% of the available memory
```

```
#
# These groups are read by MariaDB server.
# Use it for options that only the server (but not clients) should see
#
# See the examples of server my.cnf files in /usr/share/mysql/
#

# this is read by the standalone daemon and embedded servers
[server]

# this is only for the mysqld standalone daemon
[mysqld]
sql_mode = NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_AUTO_CREAT
E_USER,NO_ENGINE_SUBSTITUTION
max_allowed_packet = 512M # (or higher)

innodb_buffer_pool_size = 512M # to about 50% of the available memory

# this is only for embedded server
[embedded]

# This group is only read by MariaDB-5.5 servers.
# If you use the same .cnf file for MariaDB of different versions,
"/etc/my.cnf.d/server.cnf" 32L, 965C written
```

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 inventory is ready to be used at this type.
Below are optional extra set up that can be set up afterward.