This is a step by step guide on how to setup you’re a VPS for ATC.

**Guide Requirements**

* VPS with at least 2 Cores, 4GB Ram, 50GB Disk Space and Ubuntu Server 16.04 x64 (I used [Vultr](https://www.vultr.com/?ref=7069969) for this guide)
* [Putty](http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html)
* [WinSCP](http://winscp.net/eng/download.php)
* Very basic knowledge of Linux

I am using a Windows 10 based PC, and communicate with the VPS using Putty and WinSCP.

This guide will probably take you a long time, especially if you are new to Linux. I highly suggest you be patient, and take it one step at a time.

This guide is meant for novices. A lot of these commands will seem very redundant, especially all the blank “cd” commands. Since everything is split up into different sections, sometimes readers can loose track easily. Blank “cd” commands can put them on track and get them into the right directory.

If you have the ability to snapshot your VPS, then I suggest you do that every time you complete a step. It will save you a lot of time if you make a mistake.

All shell commands will be surrounded with a code box like this:

shell command

**VPS Setup**

At this point you should have your VPS started, putty up and running and your logged in as root.

Let’s go ahead and setup the VPS before we get into the meat and potatoes.

**Update Ubuntu**

apt-get update  
apt-get dist-upgrade

**Setup Swap (optional)**

By default there is no swap setup on my VPS, it is required especially on a system with limited memory. I am setting up a 4GB swap, which is the most common swap size used for a VPS.

dd if=/dev/zero of=/mnt/myswap.swap bs=1M count=4000  
mkswap /mnt/myswap.swap  
swapon /mnt/myswap.swap

Now let’s add it into fstab so it will activate at boot.

nano /etc/fstab

Add the following line at the end of the file.

/mnt/myswap.swap none swap sw 0 0

Ctrl+O to save, and Ctrl+X to exit the nano editor.

Now your swap is setup, you can modify the size in the future if you need more or less.

**Install Required Packages**

apt-get install build-essential libtool autotools-dev autoconf pkg-config libssl-dev  
apt-get install libboost-all-dev git add-apt-repository ppa:bitcoin/bitcoin  
apt-get update  
apt-get install libdb4.8-dev libdb4.8++-dev  
All required packages are installed, we may have to hit a few more later but for right now you are good.

**User Setup**

You never run things like your coin daemon (wallet), or other things as root!

Let’s create a user.

As root type:

adduser usernameyourwant

Use whatever username you want, I will be using “atradercoin” for this guide just because it is simple.  
Do not use the sample username I use, think of your own for security purposes.  
You will be prompted for a password, please use a password that is different from your root password.  
The other info it asks for you can either fill out or just leave blank and hit enter.

Now let us give that new user sudo access:

adduser usernameyousetup sudo

**Reboot**

A lot has been done to the VPS. Let us go ahead and reboot it as a good, safe practice.

reboot

That is it for the VPS setup, let’s move on.

**Daemon Setup**

Boot up putty and login to that new user we setup earlier.

I am going to start using WinSCP to edit/add files, yes you can use nano, gedit, vim, or whatever shell based text editor you want instead. However, when a novice starts editing as many files as we are about to edit it will be easier for them if they use graphic interface for all of it. It will also help a novice understand the file structure better.

You can get WinSCP here: <http://winscp.net/eng/download.php>

I will walk you through WinSCP with this litecoind config file, but after that you should be able to use it easily if I just list out what directory you need to go to. You will see here shortly.

Once you install WinSCP, you should be prompted with a login screen.

* Select “New Site”
* “File Protocol” will be SFTP
* “Hostname:” is your VPS IP
* “Port number” is your ssh port that you have been using with putty
* “User name:” will be root
* “Password:” is your root password

Click login, make sure to accept the host key.

Copy the linux\_install.tar file over.

At the putty shell type in

Cd ~  
Untar it using tar

tar –xcf linux\_install.tar  
Run the script ./setup\_linux.sh

./setup\_linux.sh  
It should create the directory .atradercoin (notice the .prefix) and copy the conf files over.

Now that we have setup lets run the daemons (note the . prefix)

Cd ~  
cd .atradercoin  
./atradercoin –daemon- conf=atradercoin.conf &

./atradercoin –daemon –testnet -conf=atradercoin.conf &

You should get a message that states “Atradercoin server starting” if for some reason you can’t get out of that command simply press Ctrl+C in putty and it’ll fix it.

Now let’s make sure it’s updating.

Cd .atradercoin

cat debug.log

You can check the processes running by

ps -aux

You can kill processes running by

Kill -9 “processnumberfrom ps –aux”

OPTIONAL -setup

Now let us set the crontab so that the litecoin daemon (litecoind) will always start on boot.

* crontab -e
* Select “2. /bin/nano <—- easiest”
* Use your arrow keys to scroll down to the bottom of the crontab.
* Add this line below the # symbols.

@reboot ./atradercoin/atradercoin –daemon –conf=atradercoin.conf

@reboot ./atradercoin/atradercoin –daemon –testnet –conf=atradercoin\_tn.conf

* Press Ctrl + O to save and Ctrl + X to exit

The atc daemon will now start on boot.