Crowncoin

Linux LOCAL/Linux REMOTE Guide

Crowncoin.org
Bitcointalk

Things you will need

1, Download WinSCP (https://winscp.net/eng/download.php)
2. Download PuTTY
(http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html)
3, Access to your own linux computer or virtual machine
4. Access to a VPS with at least 5-10GB HDD/SSD 1-2GB RAM.
5. 10,000 Crowncoin.

Step 1

Use PuTTY to connect to your VPS instance or load your linux machine and open a terminal window by pressing CTRL+ALT+T.

Step 2

Please type/paste these command lines inside the console, one by one following each step carefully

sudo apt-get install build-essential libtool autotools-dev automake pkg-config libssl-dev libevent-dev bsdmainutils

sudo apt-get install libboost-system-dev libboost-filesystem-dev libboost-chrono-dev libboost-program-options-dev libboost-test-dev libboost-thread-dev

sudo add-apt-repository ppa:bitcoin/bitcoin

sudo apt-get update

sudo apt-get install libdb4.8-dev libdb4.8++-dev

mkdir -p src && cd src

sudo apt-get install git

git clone https://github.com/Crowndev/crowncoin.git -b master

cd crowncoin/

git checkout master

./autogen.sh && ./configure && sudo make install -j 2
(This last command line will take particularly long to execute)

Step 3

Now we need to setup your LOCAL crowncoin.conf file.
Please type the following commands

mkdir .crowncoin

(make sure you are in the folder ~/src/crowncoin$)

sudo nano ~/.crowncoin/crowncoin.conf

Paste this into your new crowncoin.conf file and edit appropriately

rpcuser=MAKE A USERNAME
rpcpassword=MAKE A PASS
listen=1
server=1
daemon=1
externalip=YOUR IP4 ADDY
throne=1
throneprivkey=YOUR PRIVATE KEY

Hold K+X, to exit .conf.

Step 4

Now we need to fire up crowncoind

cd ~/src/crowncoin/src

./crowncoind

Nothing should happen, this is a good sign.

Step 5

Now we're going to be using crowncoin-cli for the next few steps, basically it allows us to pass commands to crowncoind without having to restart crowncoind for the changes to take effect.

To start the process, type

./crowncoin-cli getinfo

You should see something like this


```
{
        "version" : 90200,
        "protocolversion" : 70002,
        "walletversion" : 60000,
        "balance" : 0.00000000,
        "darksend_balance" : 0.00000000,
        "blocks" : 44629,
        "timeoffset" : 0,
        "connections" : 3,
        "proxy" : "",
        "difficulty" : 16.00000000,
        "testnet" : false,
        "keypoololdest" : 1467582205,
        "keypoolsize" : 1001,
        "paytxfee" : 0.00000000,
        "relayfee" : 0.00001000,
        "errors" : ""
}
```


Step 6

We now need to find the privkey for your wallet.

./crowncoin-cli getaccountaddress 0

This should show your 0 address, copy and save it.

./crowncoin-cli dumpprivkey YOUR 0 ADDRESS

Copy and save your privkey. Should look something like this
VNBc33TunC7c******7GCp68g1dPA2**********

Step 6

You need to password protect your wallet

./crowncoin-cli encryptwallet YOURPASSWORD

./crowncoin-cli help (if you get stuck)

Now you can send 10,000 CRW to the 0 address you created before.

Wait for 15 confirmations on the 10,000 CRW

Step 7

Generate a Throne privkey

./crowncoin-cli walletpassphrase YOUR PASSWORD 60

./crowncoin-cli throne genkey

Copy and save this string

cd ~/src/crowncoin

sudo nano ~/.crowncoin/crowncoin.conf

Replace the old throneprivkey with the new one

Remove the # infront of throneprivkey

Change throne=0 to 1

Ctrl+X and save

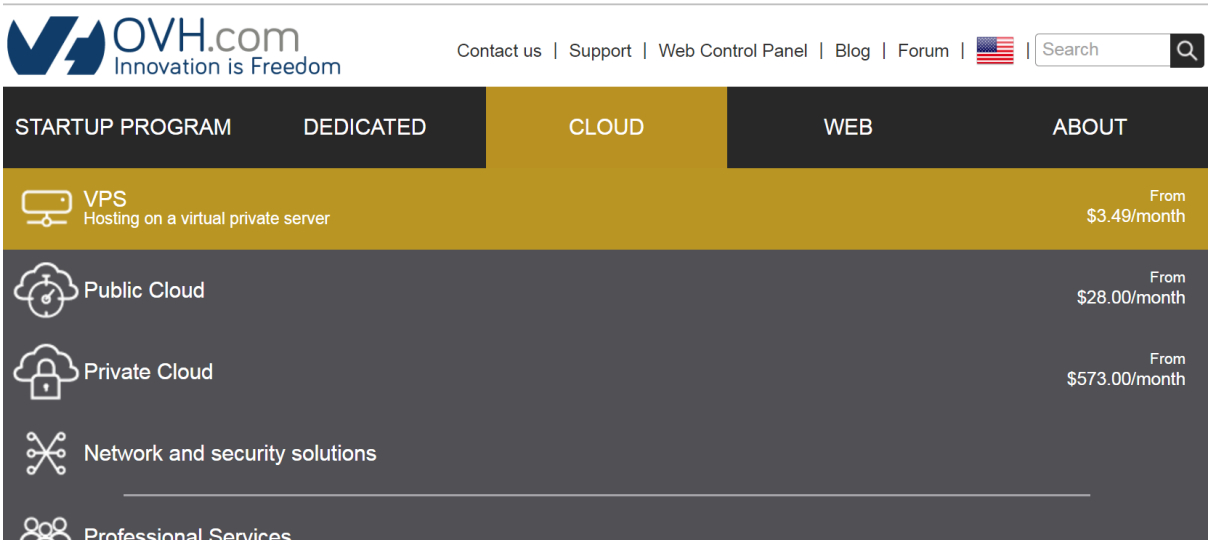
Step 8

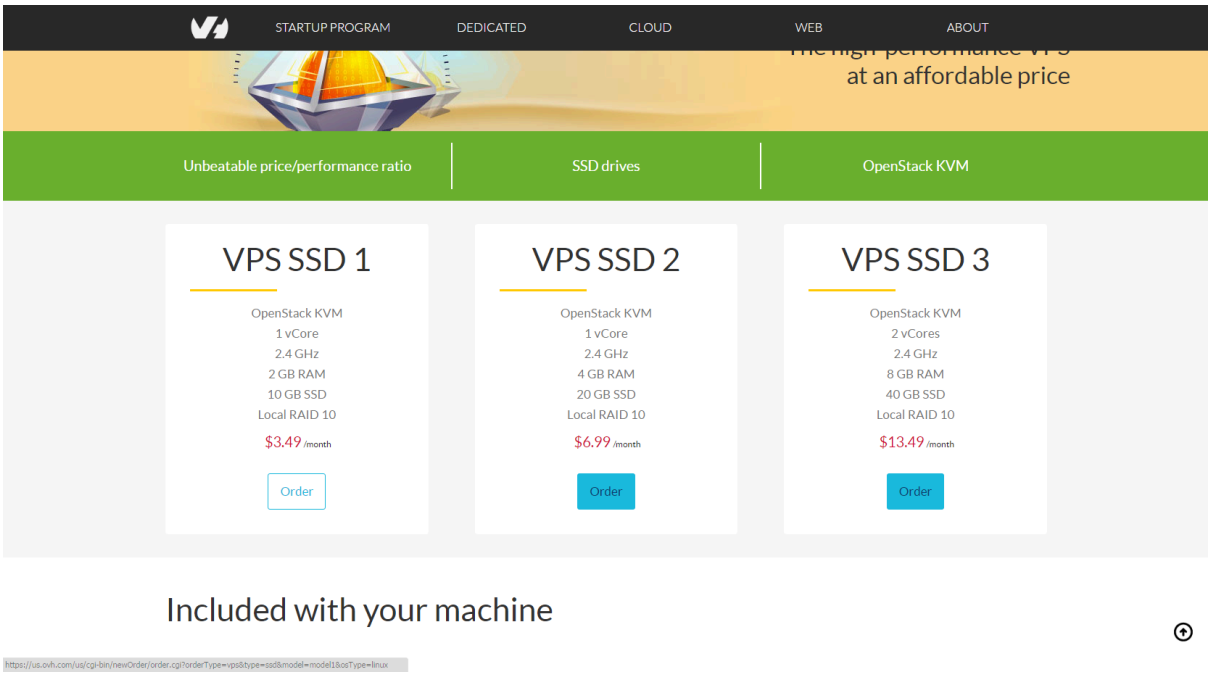
cd ~/src/crowncoin/src

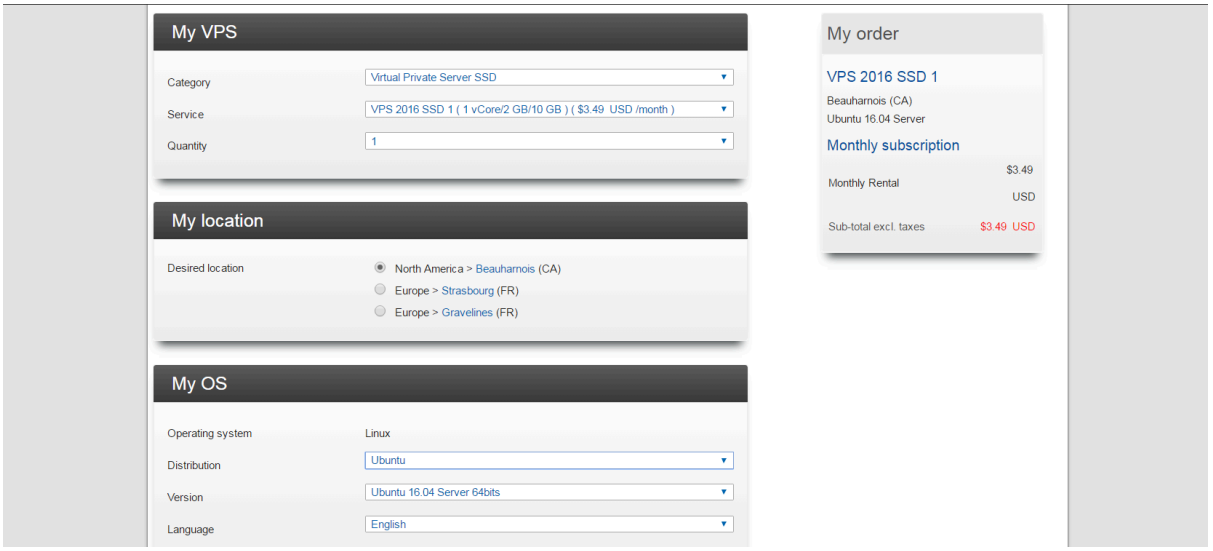
./crowncoin-cli stop

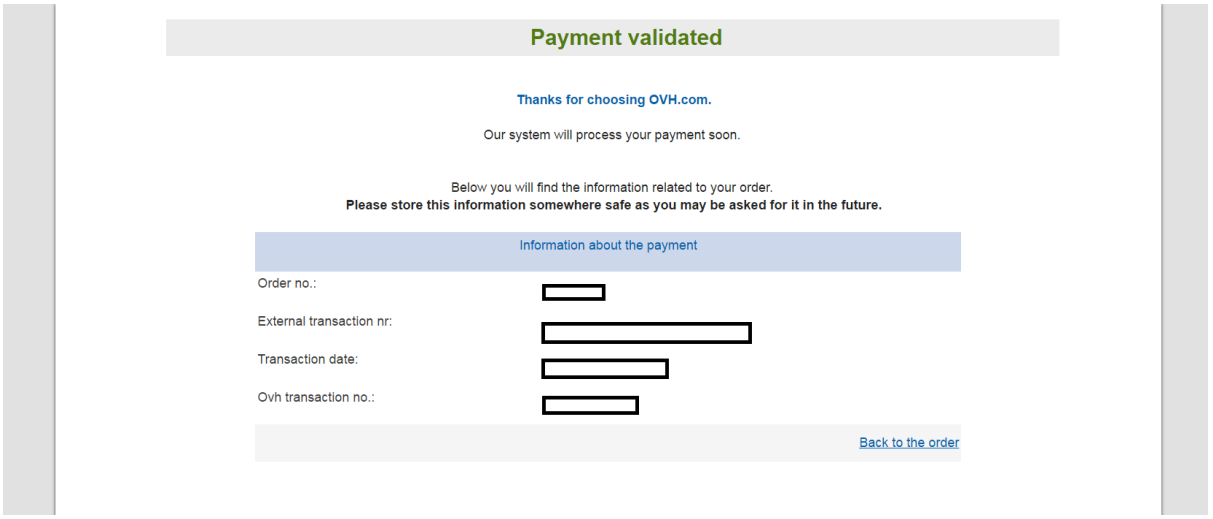
Step 9 **VPS PART**

Create a new VPS, for example (https://www.ovh.com/us/vps/vps-ssd.xml)

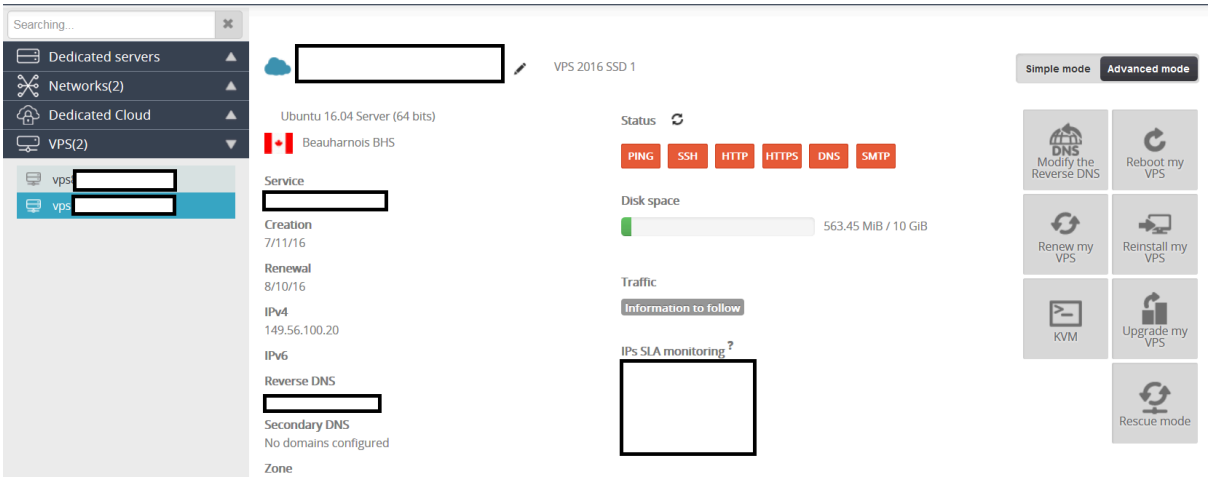








Once your VPS is live, take the ip address of your VPS and copy it



You need this for the externalip=195.334.34.3.434 (Example) inside your crowncoin.conf file.

Go back to your LOCAL wallet, and in the terminal make sure your in the directory ~/src/crowncoin$ and type

sudo nano ~/.crowncoin/crowncoin.conf

Change the externalip to your new VPS ip address

Ctrl+X and save

Part 10

Go back to your VPS control panel

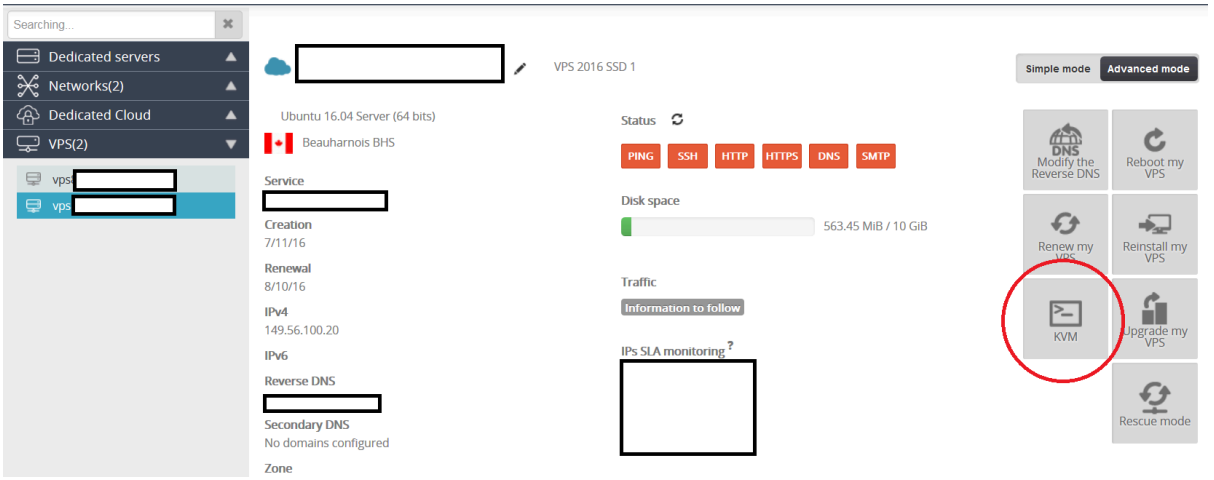
Click your name in the top right hand corner, click my account.

Click emails received, you should see an email from ovh with your VPS logins

Take note of USER - root PASSWORD - ********

Go back to VPS control pannel, click your VPS.

Find KVM on the right.



Now your inside your new VPS.

Enter the username and password you took note of before.

Once your in, change ROOT's password, enter the following command

passwd root

Make a new password. Once you've made a new password for root please follow these commands

adduser YOUR NEW USERNAME

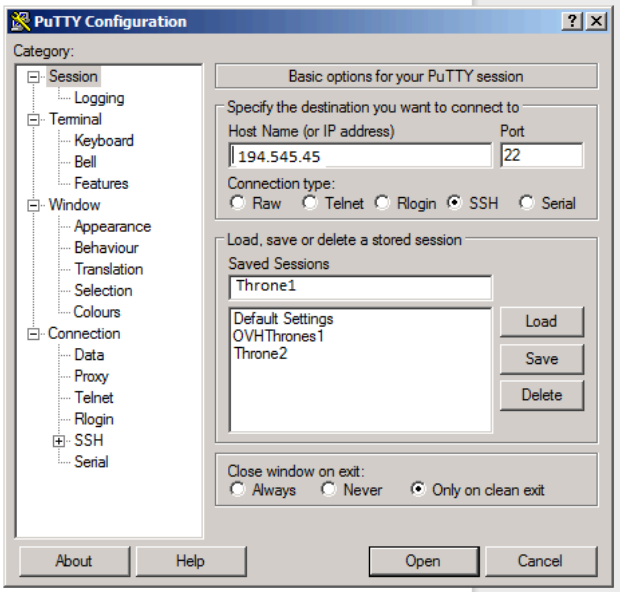
Follow the instructions and create the new user.

You can now leave the KVM, close the terminal.

Step 11

Now you need to download putty and install it.

Paste your VPS ip address as displayed



Create a name for the connection and save. This will give you quick access to your VPS in future

Click open

Login to your VPS via putty using your NEW USER and enter NEW PASSWORD

Once your inside, type

su -

Enter ROOT's password which you created before

apt-get update

apt-get install ufw

ufw allow ssh/tcp

ufw limit ssh/tcp

ufw allow 9340/tcp

ufw logging on

ufw enable

Check the status of your firewall by typing…

ufw status

exit

Please keep putty open

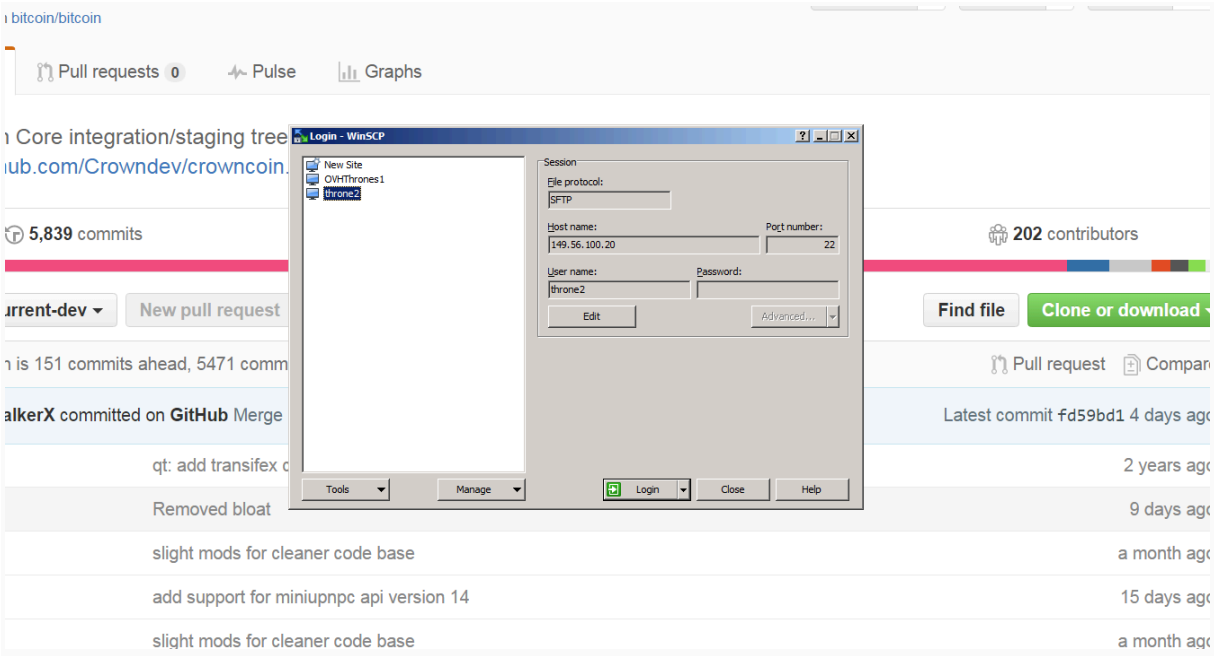
Step 12

Now you need to download the crowncoin linux source
https://github.com/Crowndev/crowncoin/tree/Current-dev

Extract the file and copy and paste (crowncoin-cli and crowncoind) to your desktop

Download and install WinSCP

Enter your ip address and a name for your connection and save



Once connected to your VPS, on the left find your desktop and on the right find your vps user name

Find (crowncoin-cli and crowncoind) and paste to your VPS

Once complete, shut down WinSCP.

Step 13

Go back to putty and type

chmod 777 ./crowncoind
chmod 777 ./crowncoin-cli

Step 14

We need to add your .conf to your VPS, in putty please type

mkdir .crowncoin

nano ~/.crowncoin/crowncoin.conf

Paste your crowncoin.conf contents with all updated information like ip address and throneprivkey into .conf file.

Ctrl+X to save.

Close Putty

Step 15

Reboot putty login as USER and type

chmod 444 .crowncoin/crowncoin.conf

./crowncoind

./crowncoin-cli getinfo (will show you progress of wallet)

Step 16

Back to your LOCAL pc wallet, we are now going to boot your Throne

cd ~/src/crowncoin/src

./crowncoind stop

./crowncoind

./crowncoin-cli walletpassphrase YOUR PASSWORD 120

./crowncoin-cli throne start

Thats it, after a little while your Throne should start to propagate through the network and show up using this command

./crowncoin-cli thronelist