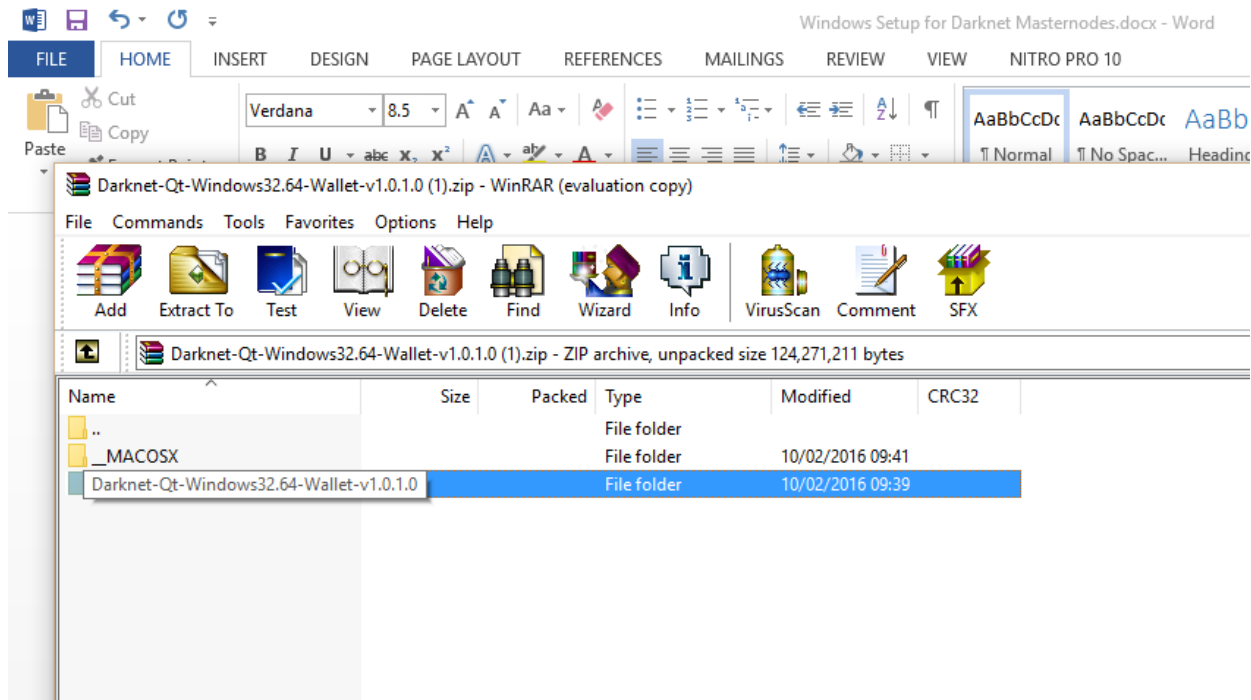


One Node setup

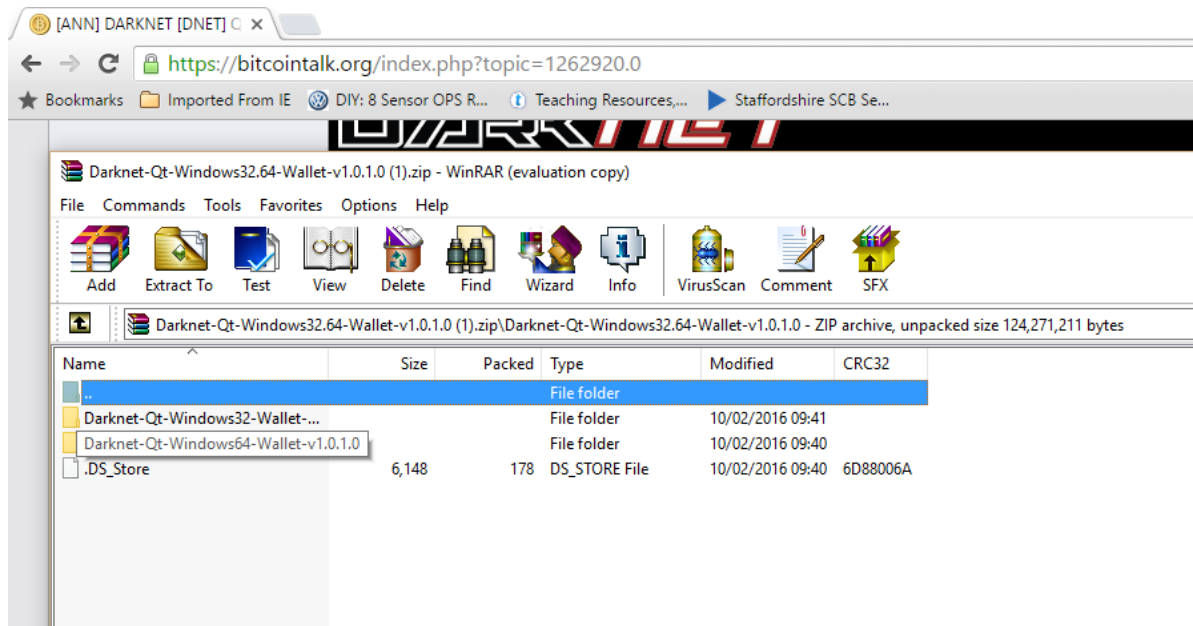
You will probably want more than 1 so I would skip down and follow the multi node guide.

Download and open the zip file from <https://github.com/Darknet-Crypto/Darknet/releases/download/v1.0.1.0/Darknet-Qt-Windows32.64-Wallet-v1.0.1.0.zip>

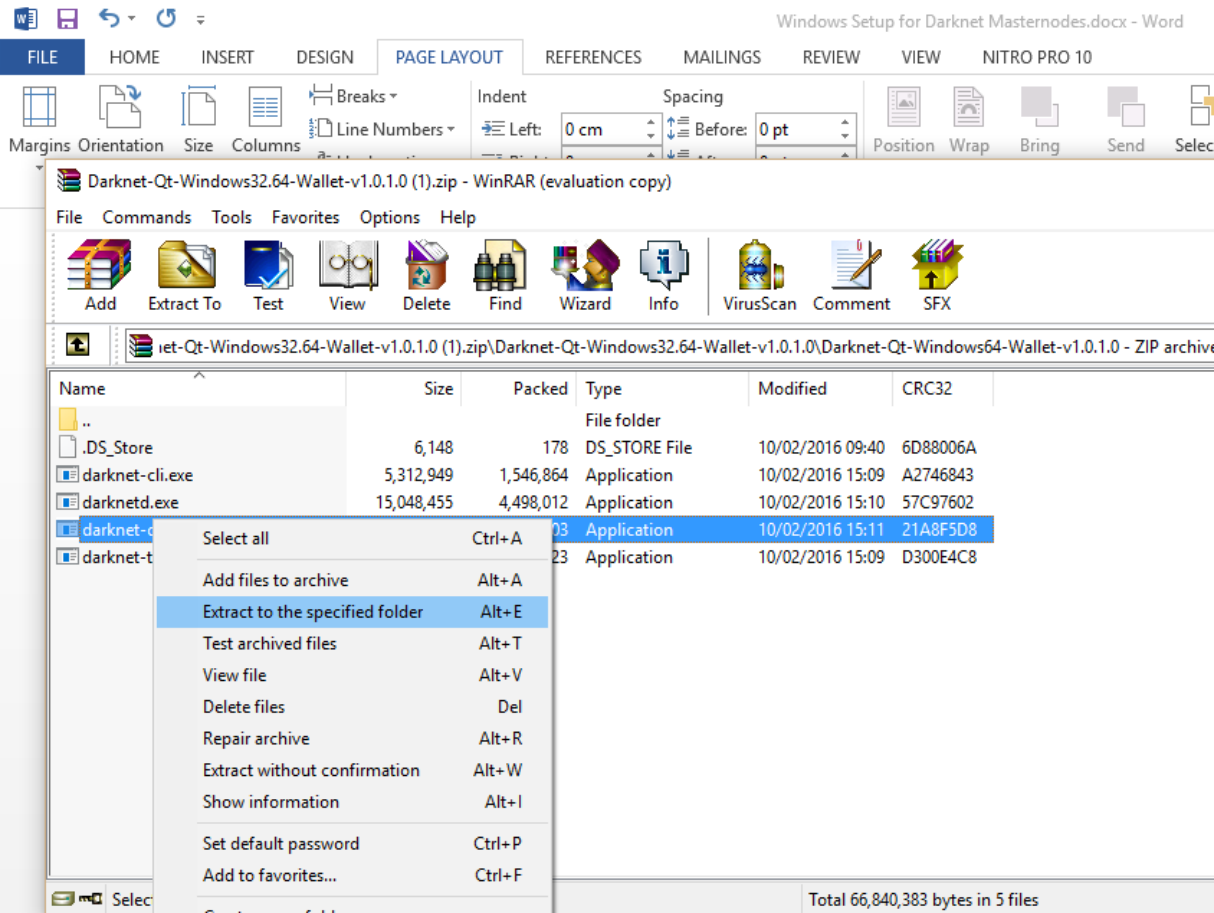
First double click the windows folder



Depending if you have 32bit and 64bit windows double click which one.



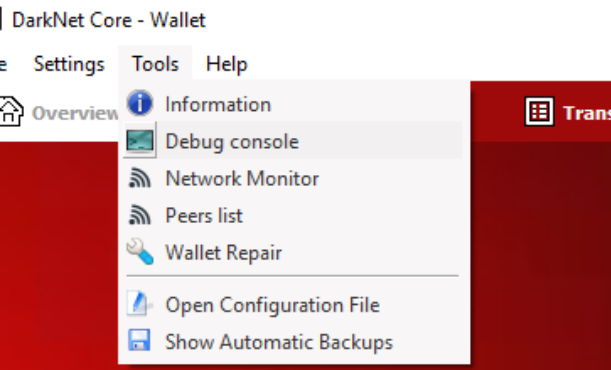
Right Click and Extract Darknet-qt.exe to Windows Desktop



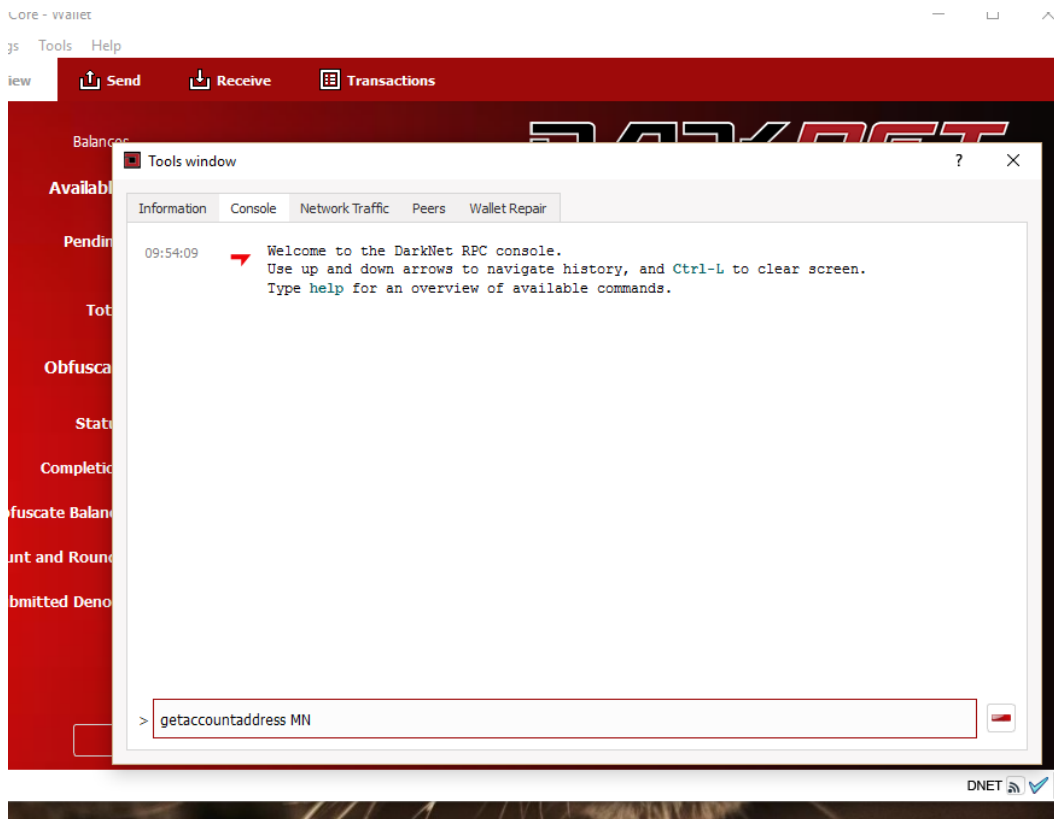
Now navigate to desktop and run the darknet-qt you have just extracted to desktop.



Once it is loaded you will need to open up debug console

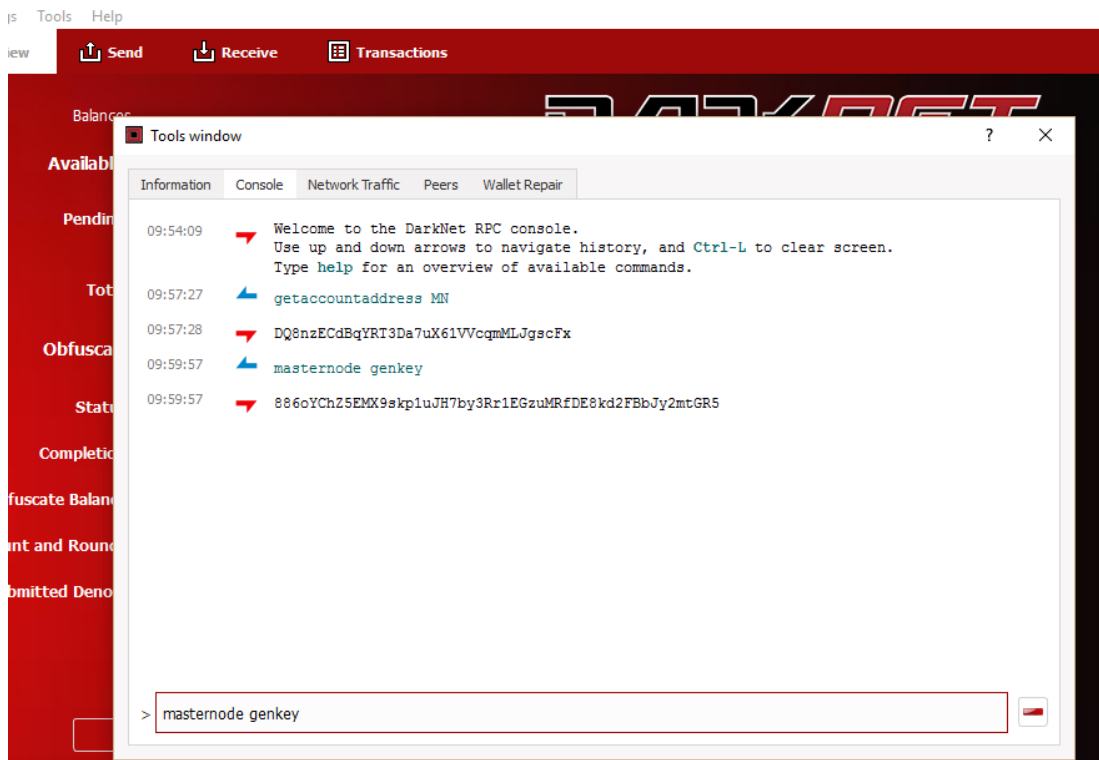


Now it is loaded you will have a screen like this. You will need to type "getaccountaddress MN". You can replace "MN" with whatever you would like to name your masternode.



It will then create an address you need to send 10000 exactly to. So if you have purchased them off Bittrex or any other exchange make sure the final amount once fees are deducted is EXACTLY 10000DNET in one transaction.

Once you have sent this Execute "masternode genkey" in your wallet's console. Which will create a PRIV key for that MN address you just created.



Take note of all of these for future use when you will want to create more and more masternodes so you don't want to confuse the priv keys. Simply copy and paste them into a notepad as shown here.

Untitled - Notepad

File Edit Format View Help

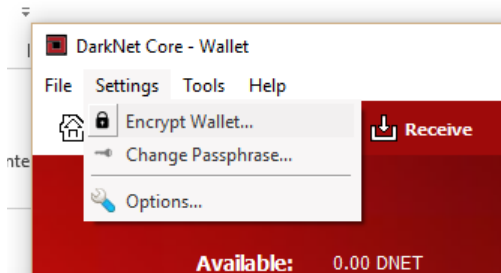
Coin Addresses:

DQ8nzECdBqYRT3Da7uX61VcqmMLJgscFx

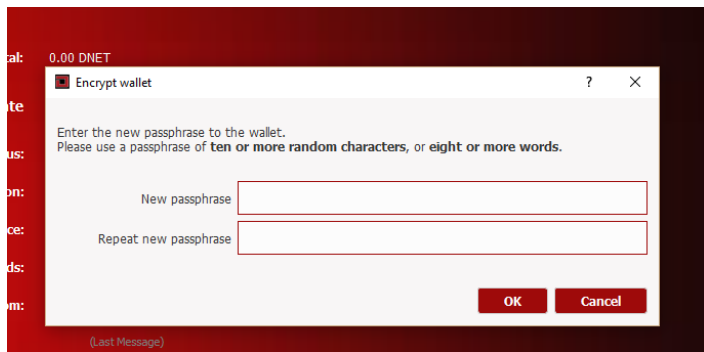
Priv Keys

886oYChZ5EMX9skp1uJH7by3Rr1EGzuMRfDE8kd2FBbJy2mtGR5

Now we need to secure this wallet. Click Settings, Encrypt Wallet.



A dialog box like this will appear. Make it as secure as you can and a password you won't forget or you are going to write down and secure somewhere.

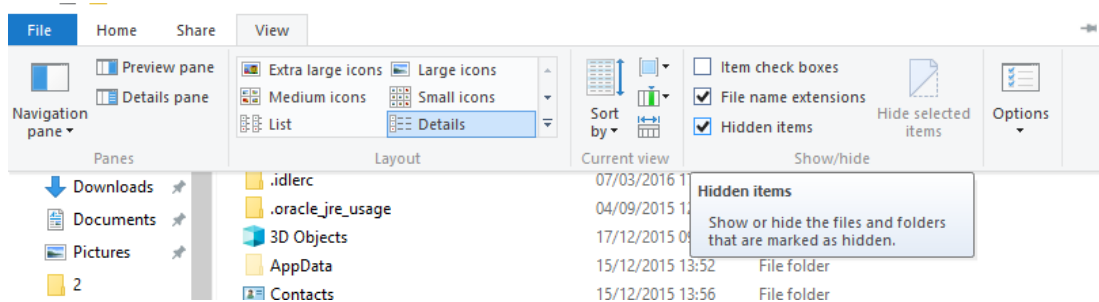


It may crash now or ask you to restart wallet so completely close it down and don't restart just yet.

Now you need to edit the darknet.conf folder in the data directory for your wallet

This is located as default C:\Users\YOUR NAME\AppData\Roaming\DarkNet

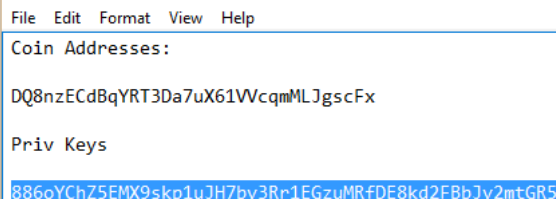
This folder is hidden so you will need to show hidden folders.



Now open the file darknet.conf. If it asks you to choose a program just use notepad as default or any other text editing tool your computer uses.

You will need to paste this in and edit the rpc user and rpcpassword. You do not need to remember this so just press loads of random letters.

Replace the Xs with the key generated when you ran "masternode genkey" you generated earlier which you have in your notepad.



The screenshot shows a Notepad window with a menu bar (File, Edit, Format, View, Help). The text inside is as follows:

```
File Edit Format View Help
Coin Addresses:
DQ8nzECdBqYRT3Da7uX61VcqMMLJgscFx

Priv Keys
886oYChZ5EMX9skp1uJH7by3Rr1EGzuMRfDE8kd2FBbJy2mtGR5
```

xxxxxxxxxxxxxxxxxxxxxxx COPY AND PASTE BELOW HERE xxxxxxxxxxxxxxxxxxxxxxxxx

```
rpcuser=long random username
rpcpassword=longer random password
rpccallowip=127.0.0.1
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
masternode=1
masternodeprivkey=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
addnode=31.6.30.115
addnode=217.240.107.120
addnode=109.172.55.170
addnode=68.104.0.118
addnode=24.104.248.48
addnode=67.3.92.178
addnode=86.122.138.192
addnode=76.105.204.52
addnode=74.132.6.75
addnode=173.30.131.78
addnode=68.7.186.217
addnode=188.230.158.70
addnode=162.213.154.31
addnode=173.245.148.70
addnode=151.80.206.104
addnode=24.254.142.135
addnode=74.132.6.75
addnode=67.225.110.88
addnode=104.200.151.6
```

xxxxxxxxxxxxxxxxxxxxxxx STOP COPY AND PASTE ABOVE HERE xxxxxxxxxxxxxxxxxxxxxxxxx

Now exit and save the document.

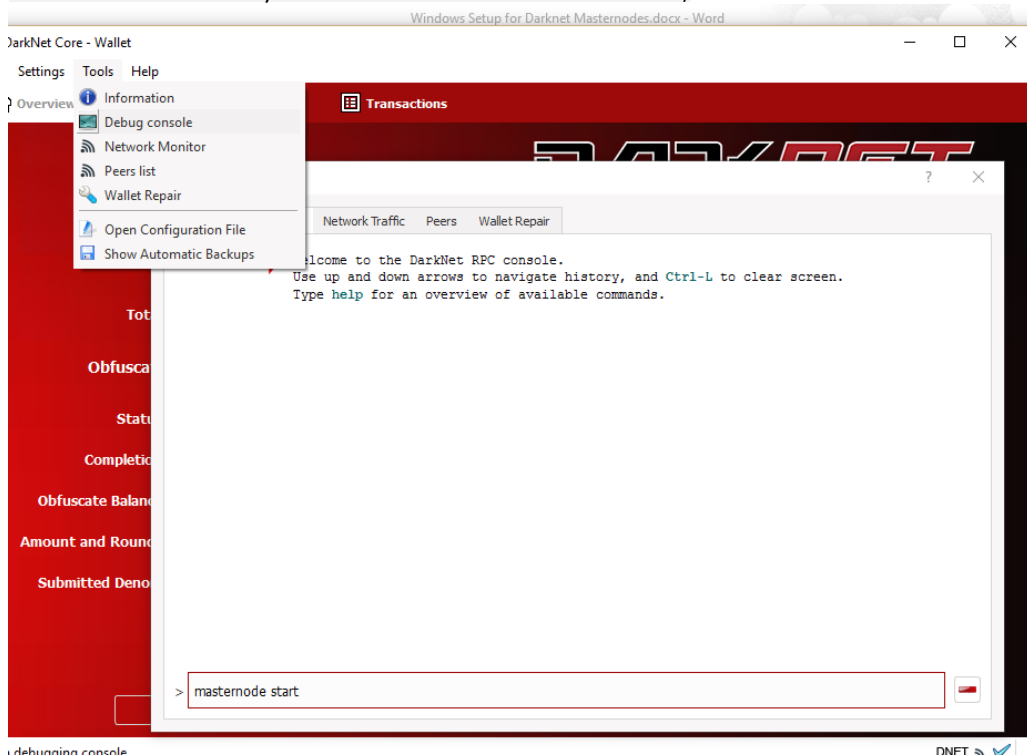
While you are in this directory you will need to make a backup of your wallet.dat . To do this I recommend putting them on an offline storage such as portable hard drive or pen drives. It is recommended to make a few copies on different drives in case one becomes corrupt.

There is also a backup folder which has backups of the wallet as well just in case one becomes corrupt simply cut and paste the backup folder to your pen drives.

Name	Date modified	Type	Size
backups	15/03/2016 09:54	File folder	
blocks	04/03/2016 14:52	File folder	
chainstate	15/03/2016 09:54	File folder	
database	15/03/2016 09:54	File folder	
.lock	04/03/2016 14:52	LOCK File	0 KB
budget.dat	15/03/2016 09:50	DAT File	258 KB
darknet.conf	04/03/2016 14:07	CONF File	2 KB
db.log	04/03/2016 15:14	Text Document	8 KB
debug.log	15/03/2016 10:03	Text Document	4,686 KB
fee_estimates.dat	15/03/2016 09:50	DAT File	1 KB
masternode.conf	04/03/2016 14:52	CONF File	1 KB
mncache.dat	15/03/2016 09:50	DAT File	408 KB
mnpayments.dat	15/03/2016 09:50	DAT File	703 KB
peers.dat	15/03/2016 10:24	DAT File	33 KB
wallet.dat	15/03/2016 09:57	DAT File	624 KB

Restart the wallet and let it make sure it is fully synced.

Now in the console of your wallet enter "masternode start",



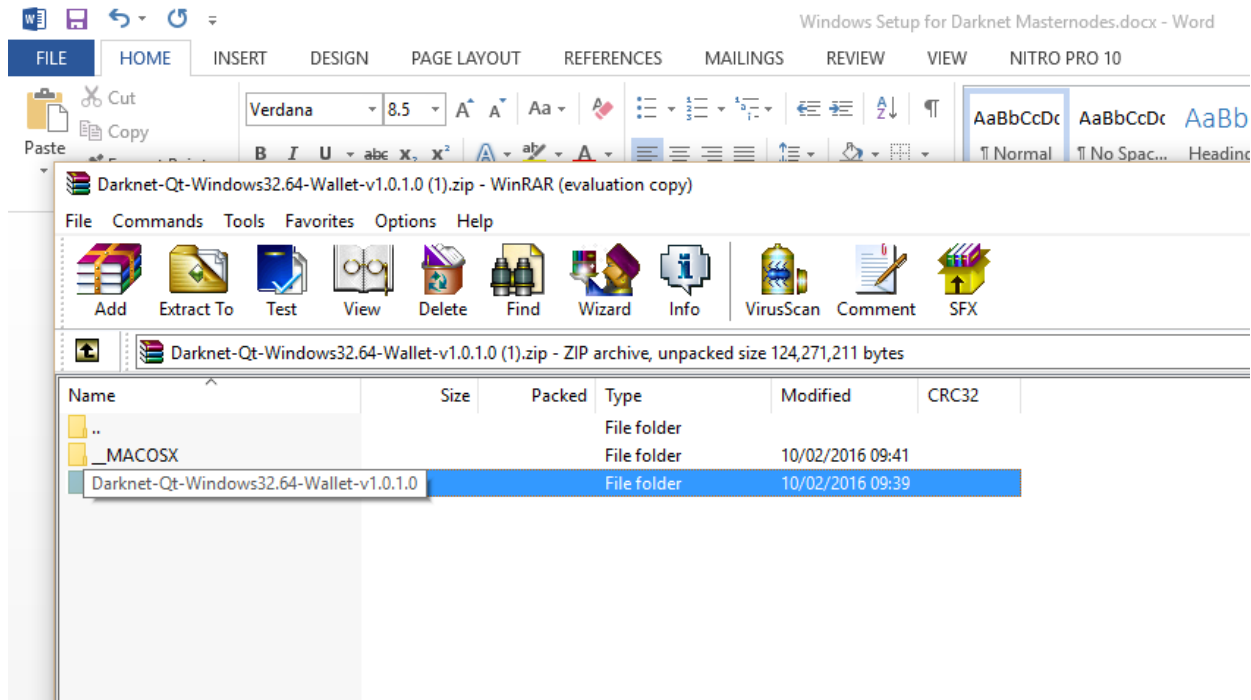
Assuming everything went well you should see a message letting you know your masternode has been started successfully.

Congratulations. You have created and started 1 masternode successfully.

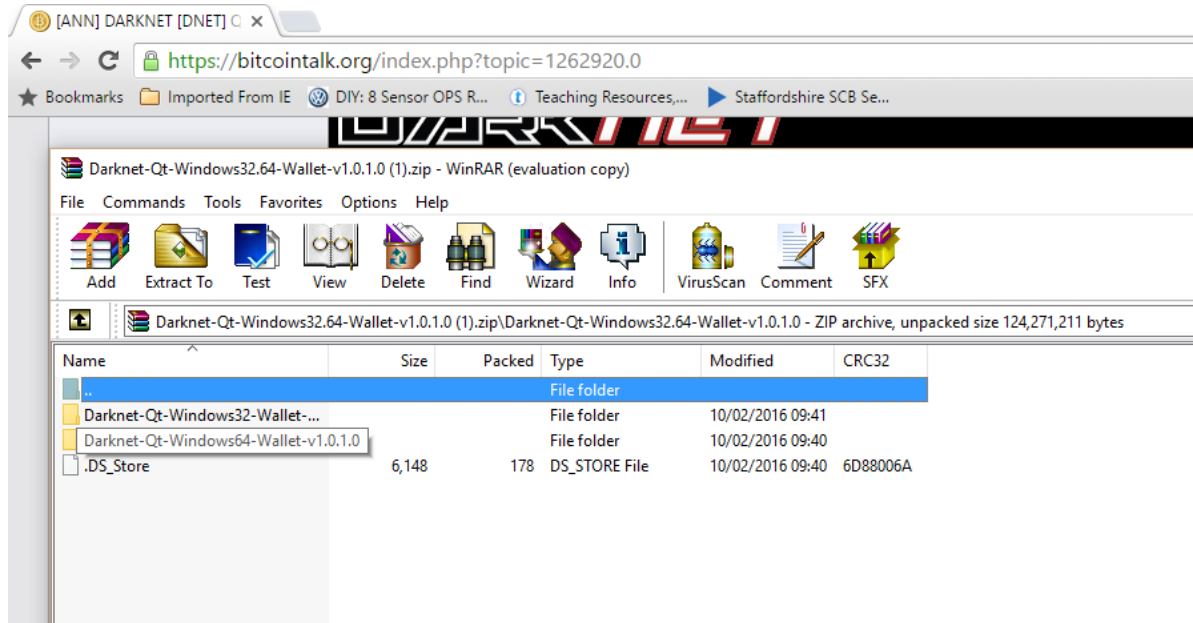
Multi Node Setup Guode – You will need VPS servers

Download and open the zip file from <https://github.com/Darknet-Crypto/Darknet/releases/download/v1.0.1.0/Darknet-Qt-Windows32.64-Wallet-v1.0.1.0.zip>

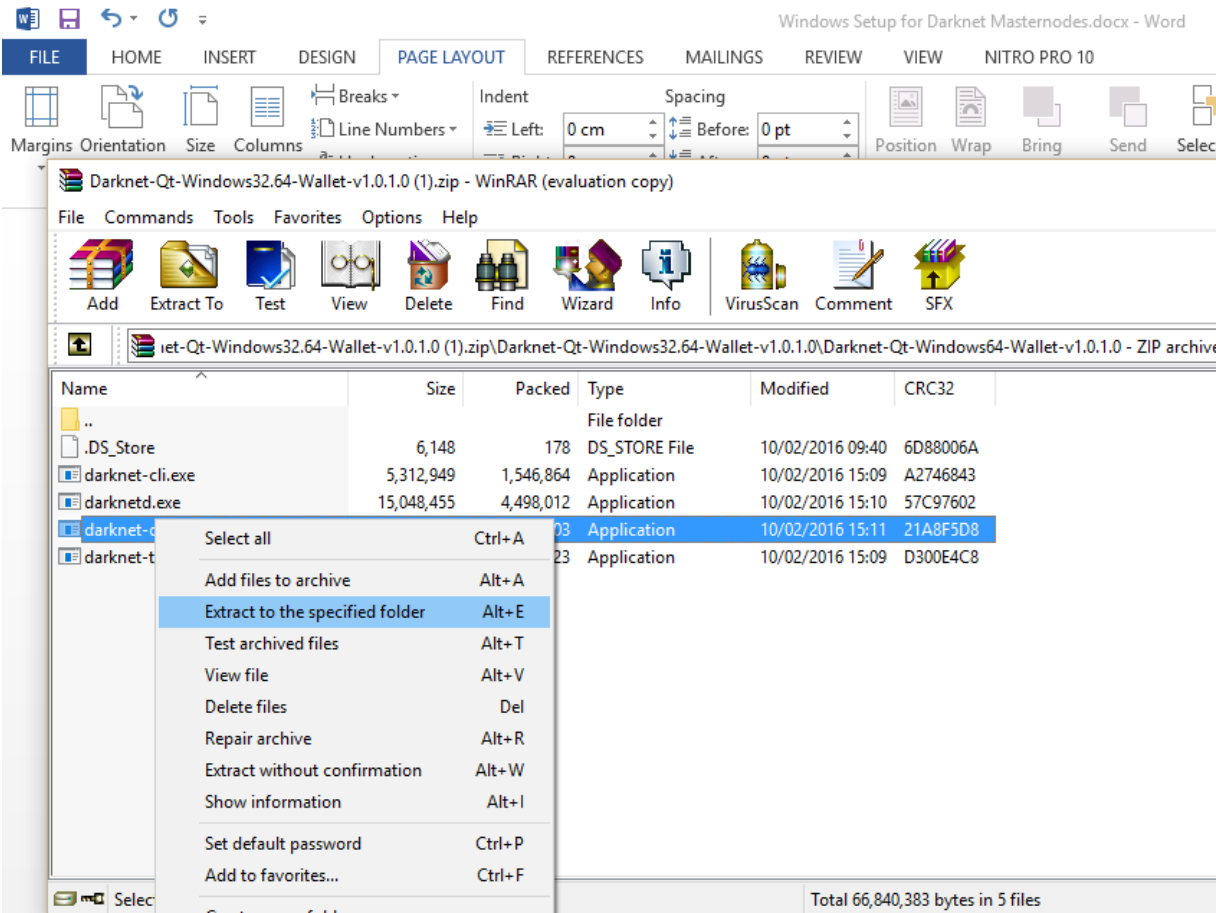
First double click the windows folder



Depending if you have 32bit and 64bit windows double click which one.



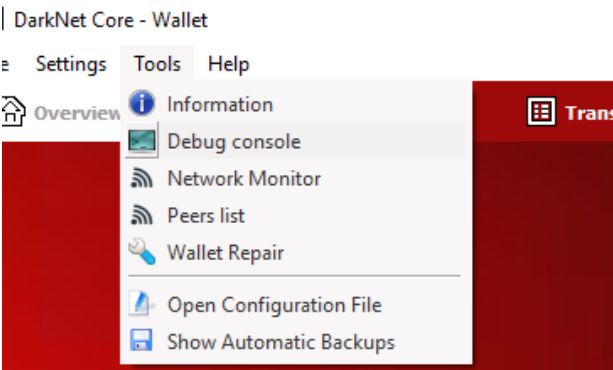
Right Click and Extract Darknet-qt.exe to Windows Desktop



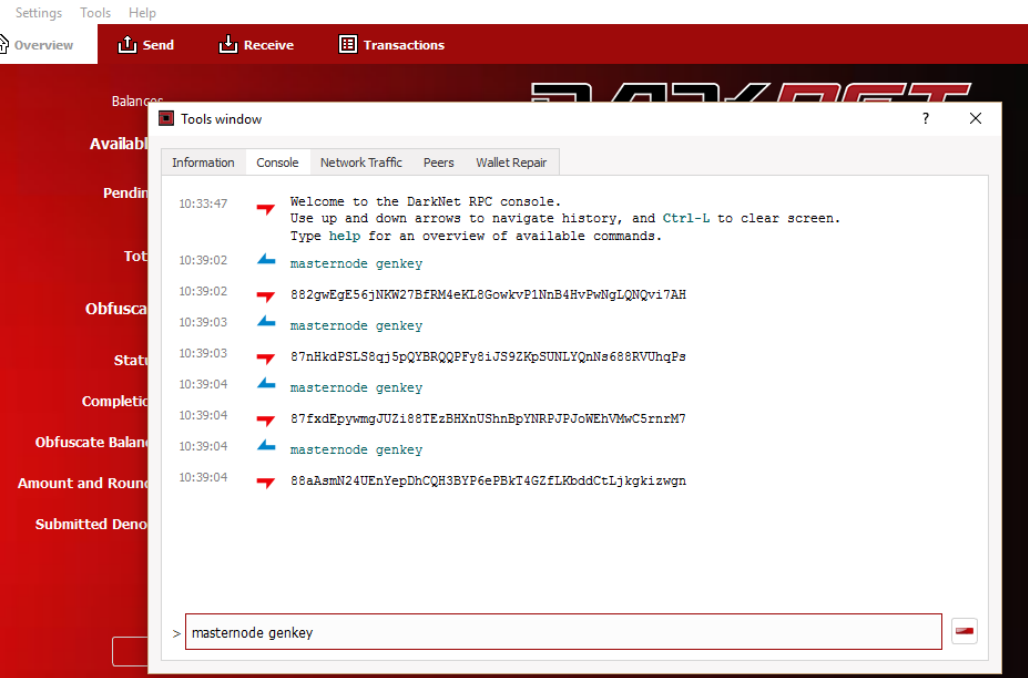
Now navigate to desktop and run the darknet-qt you have just extracted to desktop.



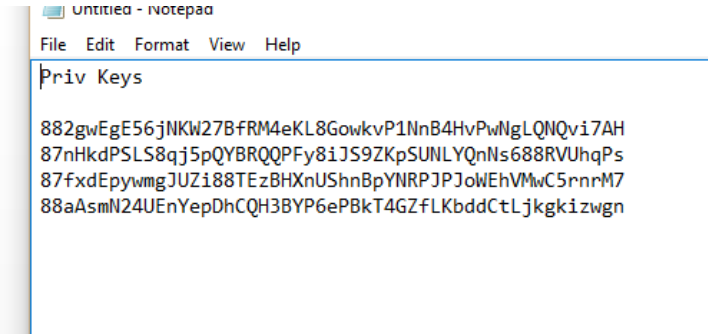
Once it is loaded you will need to open up debug console



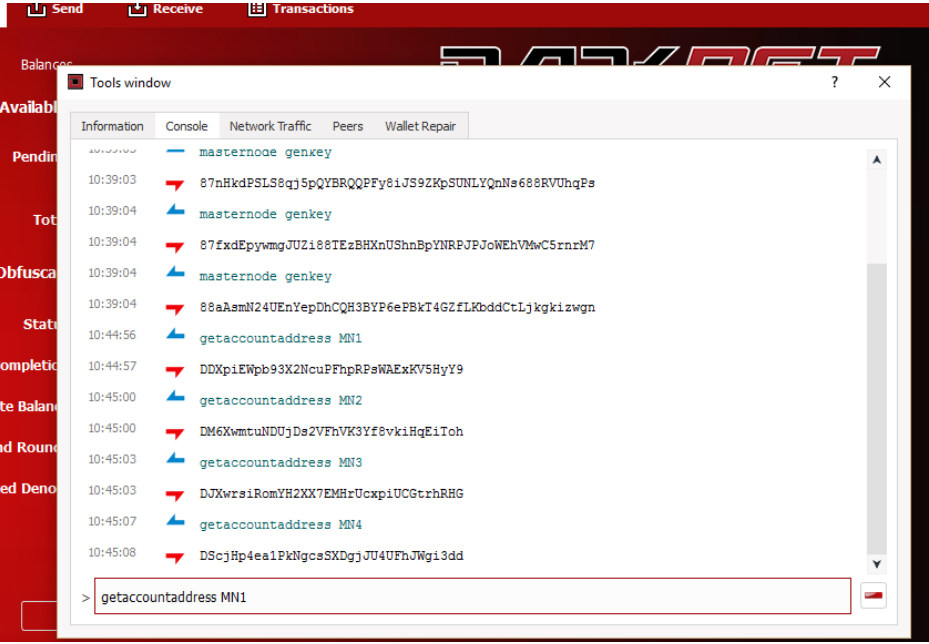
From the very beginning, on your laptop in the console enter "masternode genkey" then enter twice for 2 masternodes. For this guide I will show you on 4 addresses.



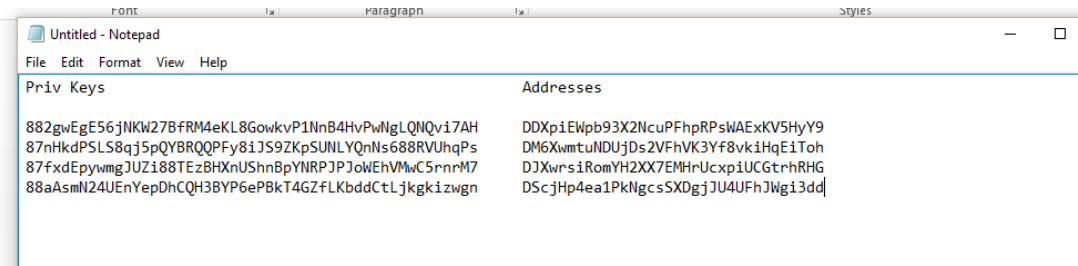
Make a note of the priv keys in a word document in order you executed the command



Now you need to get the DNET address you need to send the 10000 DNET to. To do this type "getaccountaddress MN1" and "getaccountaddress MN2", the MN1 and MN2 could be substituted with any name but keep it simple and stick to MN1 MN2 MN3 MN4.



Now you need to make a note of all of the address you have just generated, but in the correct order, as the priv key is linked into the address you have just generated. Keep it simple and set the word document out like this so not to confuse the order.

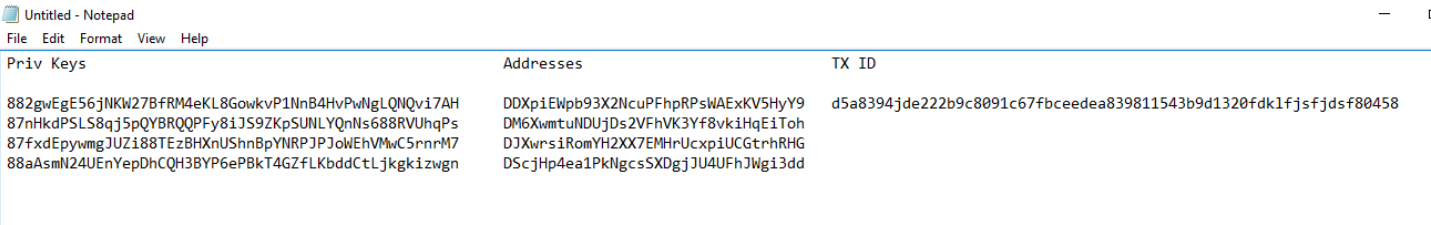


Send 10k DNET to each of the addresses generated in step 1, making sure to send exactly 10k, in one transaction to each. I purchased them from bittrex but if you already have coins in a wallet do it this way

Once it is confirmed and sent from bittrex to the wallet it will have your transaction ID when you click the + on the withdrawn coins that you need for your masternode conf. Whichever Address you have sent it to paste this next to the address of the word document so not to confuse which address is which transaction.

	DATE	CURRENCY	UNITS	
<div><div></div><div></div></div>	03/13/2016	BTC	0.04847800	Cc
<div><div></div><div></div></div>	03/13/2016	DNET	10000.00000000	Cc
Address: DKLZh6LHHgTU2q8nh84				
TxId: d5ad34e222b9c8091c67fbcedea8398115				

e.g. for the first one MN1

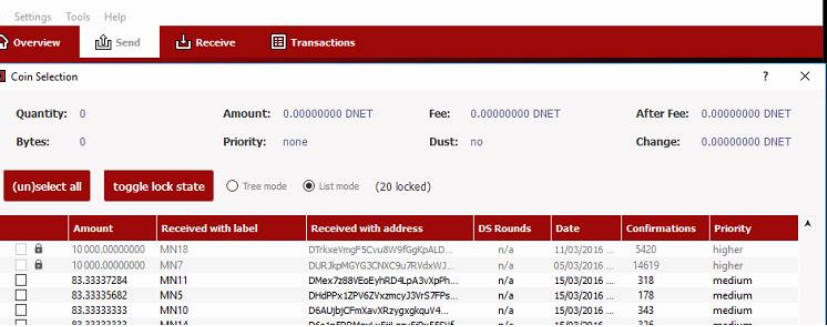


Another way of doing it by just using the coins in your wallet is this:

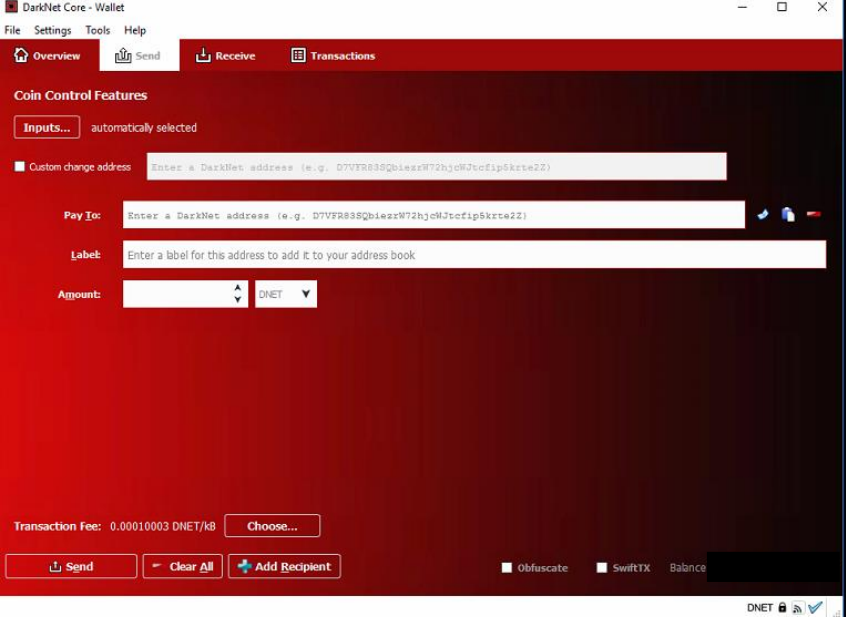
Transferring coins from your wallet to MN address to get Transaction ID

To send the coins to 1 of your MN addresses you need to send 10000 coins exactly in your wallet. Your wallet will automatically add the transaction fee on top of the 10000 so no need to worry about adding small amounts of DNET on top as you have to if using bittrex.

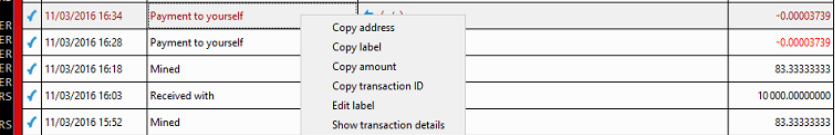
Firstly click the send tab in the wallet then click coin management. Here you will see your active masternodes with a lock symbol by the side and all of the other coins that you have in the wallet. If you click select all it will select all the free coins. If you have not already activated some of your masternodes but have got the 10000 coins in that address unlocked, click and untick the box next to this address so it does not use these coins.



Close coin management down and add in the Pay To box the address of the masternode address you created earlier. It will automatically fill the label in to whichever masternode address it is. Then add 10000 to the amount. If your wallet is already unlocked a dialog will come up asking if you want to send the coins. Select Yes and it will send them to the address. If it is not unlocked you will have to type in your password first.



Now that it is sent you will need the transaction ID to get this go into your transactions tab. Right click and select copy transaction ID.



You will then need to paste this into the text document just as was set out if sending from bittrex ready for adding to your masternode.conf .You will get something like this.

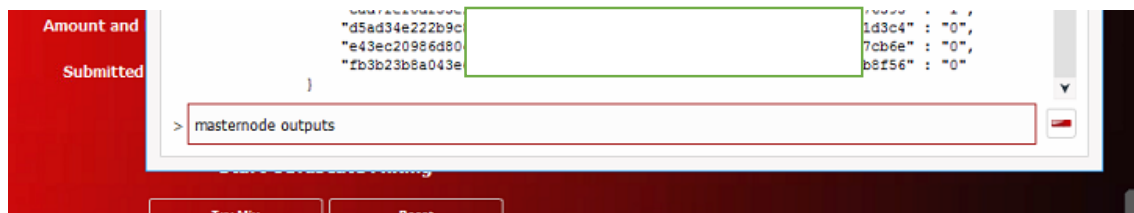
b335c11ea86ashfoa3f477af76bc29asjafks8u3r844e6ec928cc54f998b17c213e4-000

Delete the -000 from the end as you do not need this. This is your Transaction ID

“b335c11ea86ashfoa3f477af76bc29asjafks8u3r844e6ec928cc54f998b17c213e4”

Once you have sent the funds to each address and have got the TX ID for each of the address wait till it has been confirmed a couple of times.

Open up debug command and execute "masternode outputs" in the console of your laptop/desktop wallet.

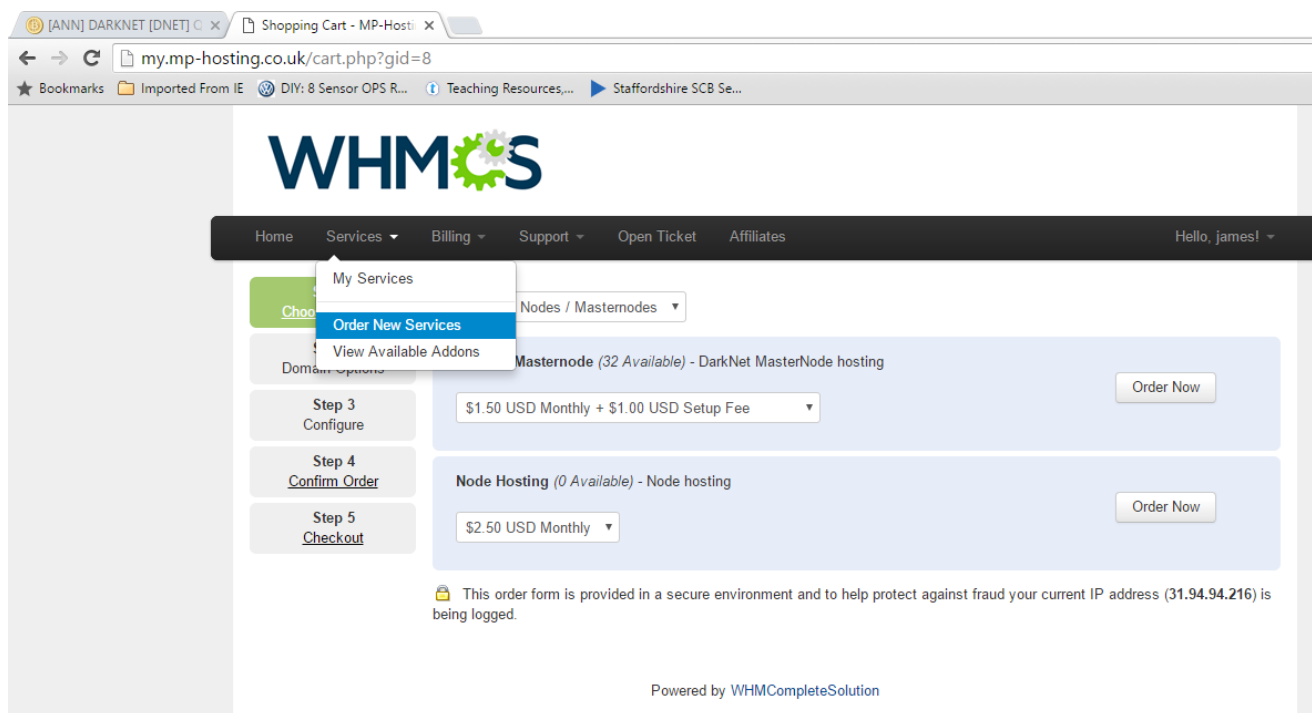


Look for the transaction ID and see which number is next to it whether that is a 1 or a 0. so if this was a 0 the eg would now look like this once you press space and 0.

Priv Keys	Addresses	TX ID	1/0
882gwEgE56jNKW27BfRM4eKL8GowkvP1NnB4HvPwNgLQnQvi7AH 87nHkdPSLS8qj5pQYBRQPPfy8iJ59ZKpSUNLYQnNs688RVUhgPs 87fxdEpywmgJUz188TEz8HXnUShnBpYNRPJ3JwEhVMwC5rnrM7 88aAsmN24UEnYepDhCQH3BYp6ePBkT4GZfLkBddCtLjgkizwgn	DDXpiEwbp93X2NcuPFhpRPswAEsKV5HyY9 DM6XwmtuNDUjDs2VFhVK3Yf8vk1HqEiToh DJXwrsiRomYH2XX7EMHrUcxpiUCGtrhRHG DScjHp4ea1PkNgcSXDgjJU4UFhJWgi3dd	d5a8394jde222b9c8091c67fbceede839811543b9d1320fdk1fjsfjdsf80458	0

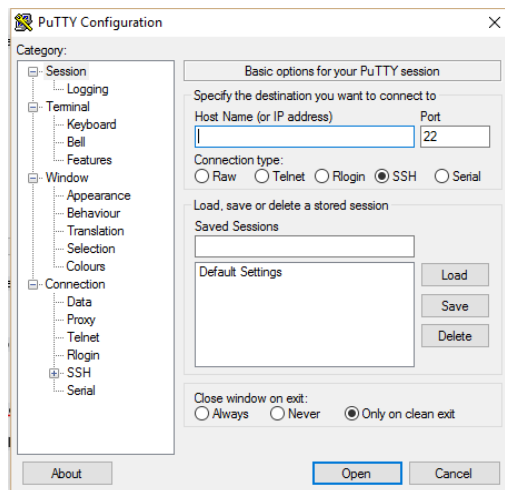
You now have everything you need and will need to setup a VPS to get the IP. To do this go to the following link and register for a darknet masternode. It is not automatic so its when Paul the owner sees it and activates it.

<http://my.mp-hosting.co.uk/aff.php?aff=004>

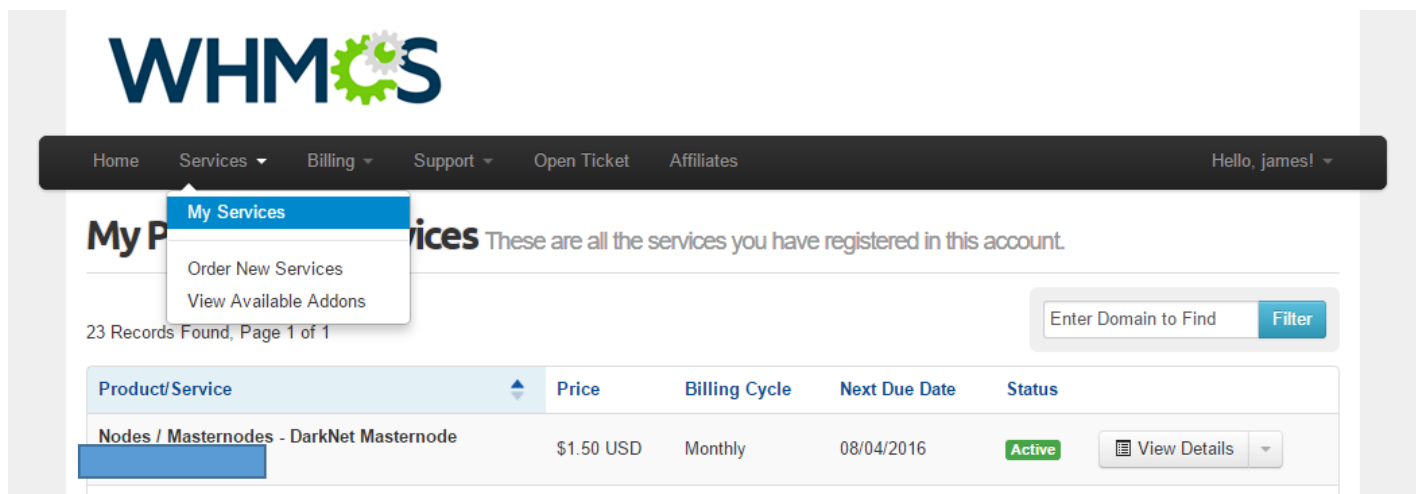


The onscreen instructions are easy enough to follow.

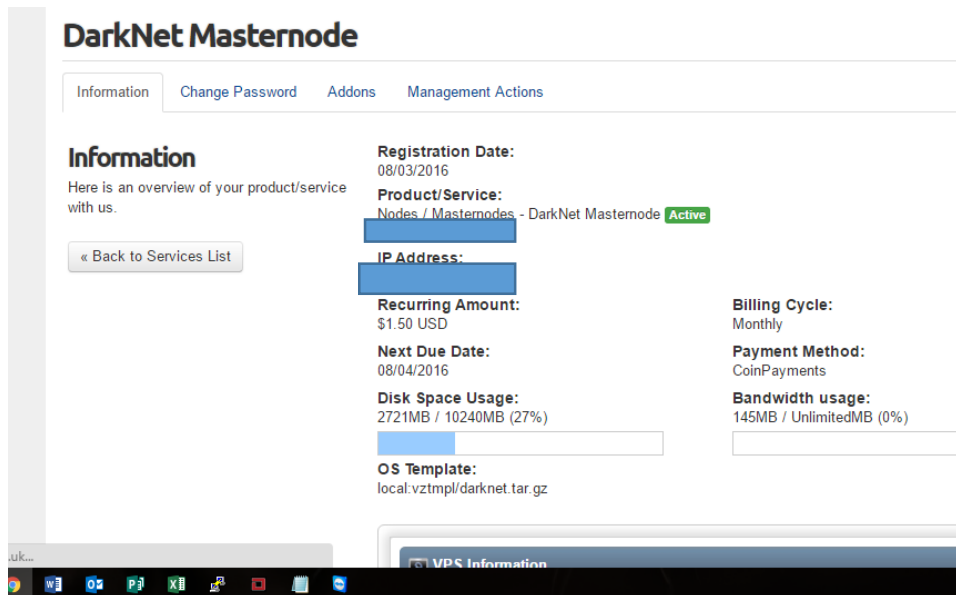
Once activated you will need to download and run Putty <http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>



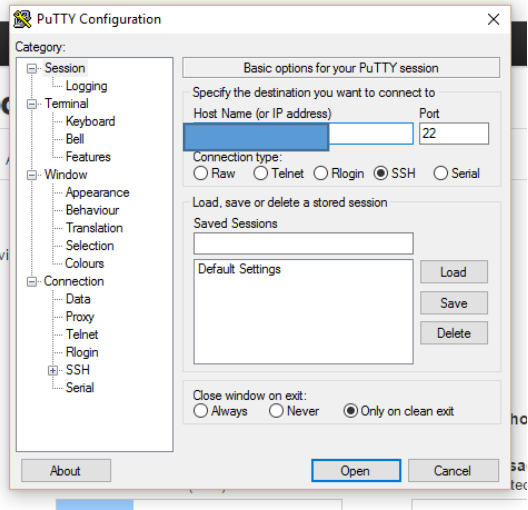
To find your login details once logged into the MP hosting website click services, my services which will bring up this menu



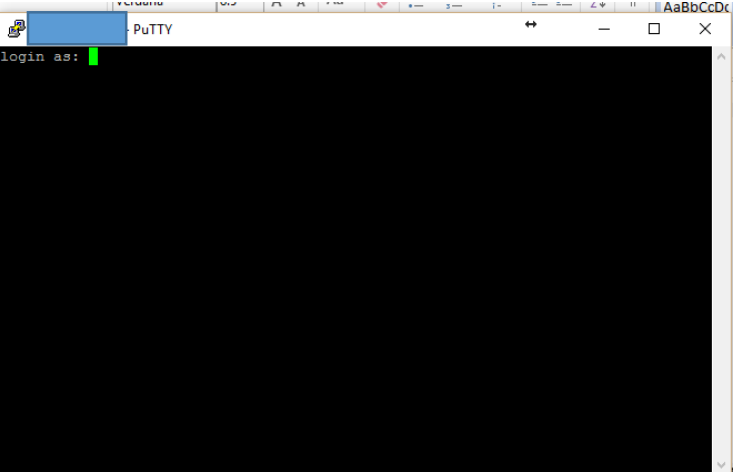
Once the service is running you will need to get the IP of the VPS to login. It will either be where the blue box is above or click view details. And your IP will be in the blue boxes.



Now go back to putty and copy and paste this IP into the host name or IP address box shown in blue.

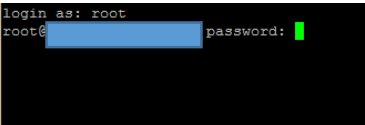


Click Open and a dialog will probably pop up. Click Yes and you should now be faced with this screen.



Now you are in type

root (press enter)



You now need the password which you can copy and paste from the MP hosting website on the change password tab

Information

Change Password

Addons

Management Actions

Change Password

From here you can change the password of the product/service (note: this does not affect your password for our client area)

Username/Password

root / TESTPASS123

New Password

Confirm New Password

Password Strength

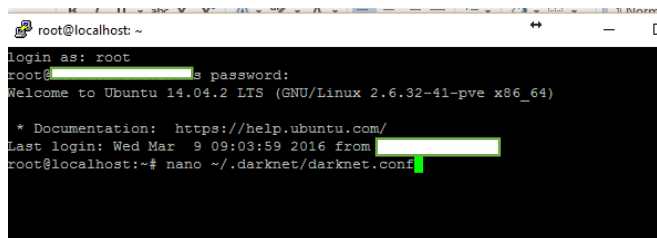
Enter a Password

Save Changes

Cancel

Copy the password. You cannot no CTRL-V to paste it. Simply right mouse click in the putty box and press ENTER.

Now copy and paste this below into Putty the same way by using the right mouse button to paste
nano ~/.darknet/darknet.conf (press enter)



```
root@localhost: ~
login as: root
root@localhost:~#
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 2.6.32-41-pve x86_64)

 * Documentation:  https://help.ubuntu.com/
Last login: Wed Mar  9 09:03:59 2016 from [redacted]
root@localhost:~# nano ~/.darknet/darknet.conf
```

Either change the details already supplied in the document or delete the first section up until the add nodes in the screen and then have this copied with your details inserted on a note pad

```
rpcuser=*****RANDOM
rpcpassword=*****RANDOM
rpcallowip=127.0.0.1
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
masternode=1
masternodeprivkey=*****whichever priv node it is
```

now Press ctrl - x

press Y to confirm save

Repeat these steps for each masternode

Now go back to your desktop pc.

Open the masternode.conf file in the data directory of your laptop's wallet and edit it. In one line for each masternode follow this format: ALIAS VPSIP:51472 MASTERNODEPRIVKEY TRANSACTIONHASH INDEX. The ALIAS can be anything you want it to be, but for simplicities sake it may be best to use the name you used for the wallet addresses, MN1 and MN2 in this example.

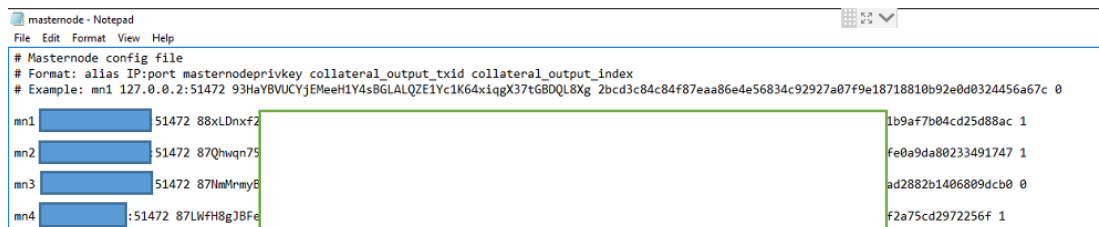
The IP is the IP where the masternode wallet can be found which you use to login with putty. The

MASTERNODEPRIVKEY is the output from the command "masternode genkey" you entered earlier.

The TRANSACTIONHASH and INDEX are the output you received when you executed "masternode outputs" earlier.

MAKE SURE YOU ARE WORKING YOUR WAY DOWN THE LIST TO NOT CONFUSE YOURSELF AND MIX UP THE DETAILS

It will look similar to this now. With he Blue boxes the IP addresses of the nodes.



```
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:51472 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tG8DQ1L8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0

mn1 [blue box] 51472 88xLDnxf2 [blue box] 1b9af7b04cd25d88ac 1
mn2 [blue box] 51472 87Qhuqn75 [blue box] fe0a9da80233491747 1
mn3 [blue box] 51472 87lmMrey8 [blue box] ad2882b1406809dcb0 0
mn4 [blue box] :51472 87LWfH8gJ8Fe [blue box] f2a75cd2972256f 1
```

Then save this file.

While you are in this directory you will need to make a backup of your wallet.dat . To do this I recommend putting them on an offline storage such as portable hard drive or pen drives. It is recommended to make a few copies on different drives in case one becomes corrupt.

There is also a backup folder which has backups of the wallet as well just in case one becomes corrupt simply cut and paste the backup folder to your pen drives.

Name	Date modified	Type	Size
backups	15/03/2016 09:54	File folder	
blocks	04/03/2016 14:52	File folder	
chainstate	15/03/2016 09:54	File folder	
database	15/03/2016 09:54	File folder	
.lock	04/03/2016 14:52	LOCK File	0 KB
budget.dat	15/03/2016 09:50	DAT File	258 KB
darknet.conf	04/03/2016 14:07	CONF File	2 KB
db.log	04/03/2016 15:14	Text Document	8 KB
debug.log	15/03/2016 10:03	Text Document	4,686 KB
fee_estimates.dat	15/03/2016 09:50	DAT File	1 KB
masternode.conf	04/03/2016 14:52	CONF File	1 KB
mncache.dat	15/03/2016 09:50	DAT File	408 KB
mnpayments.dat	15/03/2016 09:50	DAT File	703 KB
peers.dat	15/03/2016 10:24	DAT File	33 KB
wallet.dat	15/03/2016 09:57	DAT File	624 KB

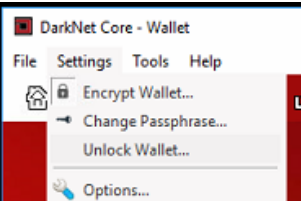
Restart the wallet and let it make sure it is fully synced.

Go back to your VPS Putty and login with each of the nodes and type the following command:

`./darknetd`

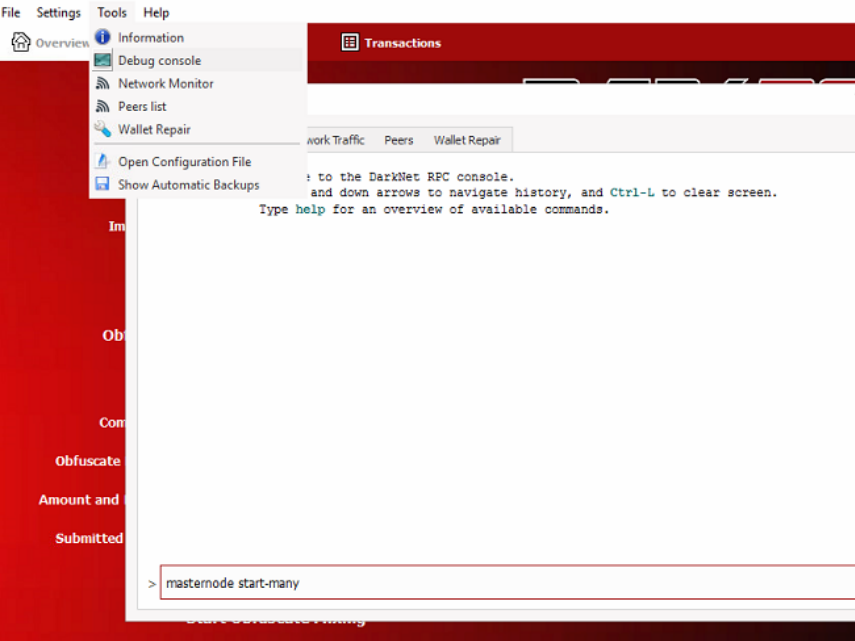
It should now have a message saying it darknet starting.

Now go back to your desktop/latpop, unlock the wallet using the password you encrypted it with earlier.



Now go into

and go into debug command and type masternode start-many



You should then have messages saying they enabled.

That is it. Well done!

If you want to check if nodes are running. On your desktop wallet at any time in debug command type

```
masternode list-conf
```

This will show you if they are enabled. If some are not enabled and it says missing because you have restarted the VPS/restarted the node/crashed make sure the masternode is running and then go back to the debug command and type

```
masternode start-missing
```

Also a really good way to check if it's running is to go in the send folder on coin controls and the addresses should be locked if they are running.

DO NOT START MANY every time you add a new node else it will reset your time or summit like that and you have to wait ages for another transaction...well it did for me anyway.

Whenever you add a new priv key and address for another 10k for another masternode you will need to backup your wallet again.

YOU DO NOT NEED TO KEEP YOUR DESKTOP WALLET RUNNING AND CAN MAKE IT COMPLETELY OFFLINE BY DELETING THE WALLET.DAT...BUT MAKE SURE YOU HAVE WORKING BACKUP STORED SOMEWHERE SAFE.