



MASTERNODE GUIDE

Hot wallet Windows

Single masternode on local PC (Windows 10)

*Must have external IP address rented

Prerequisites:

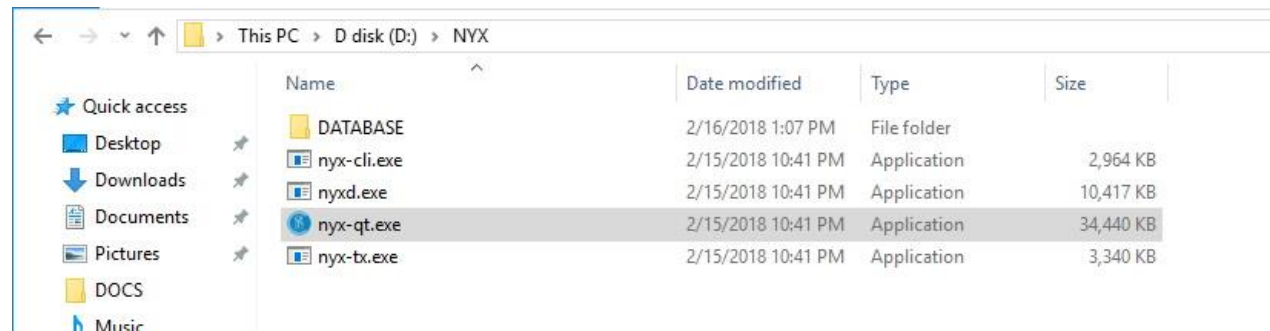
1. A local computer running under Windows 7, 8.1 or 10 (x64 only) and working 24/7.
2. 1001 or more NYX as collateral (1000 NYX + 1 NYX to cover the transaction fees).
3. NYX wallet for windows.
4. External IP address. Rent it from your internet service provider.

To do:

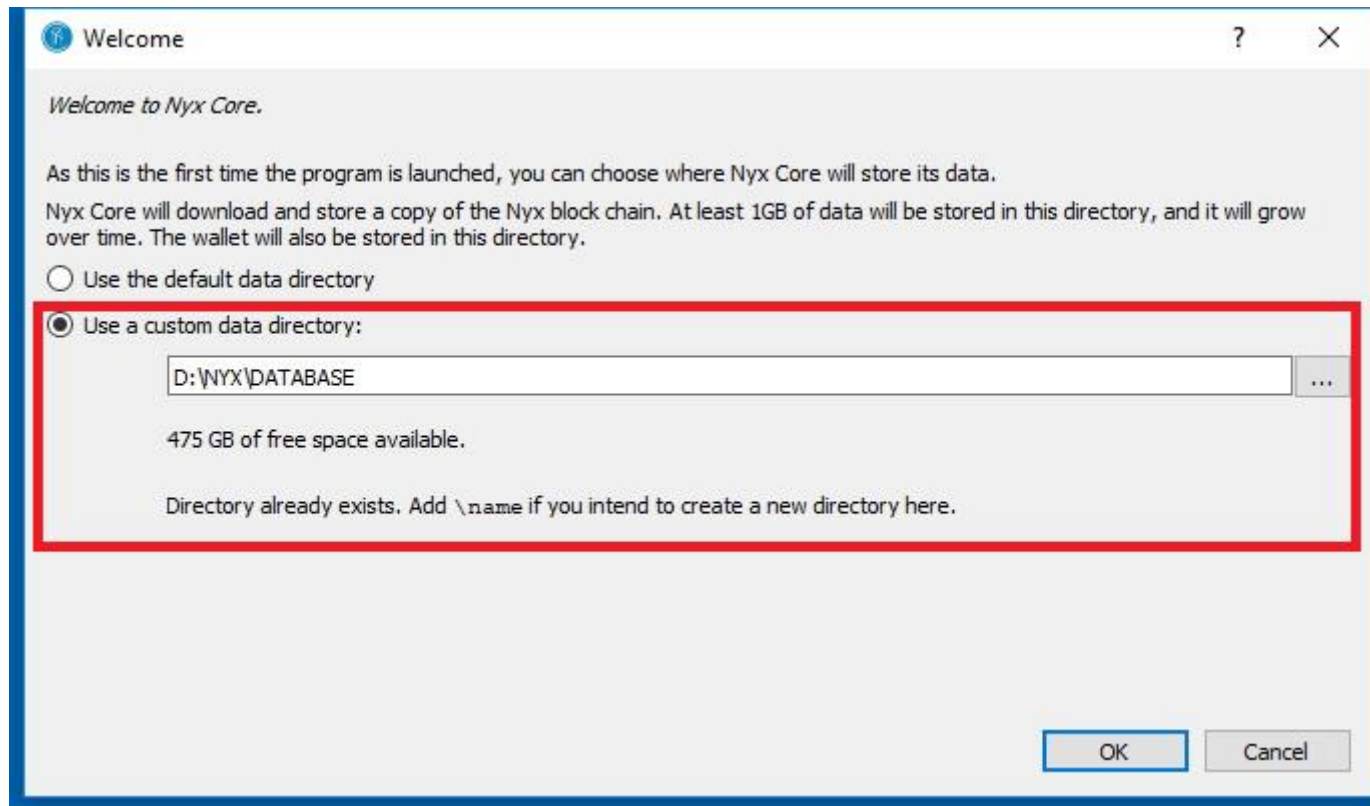
1. Install control wallet for windows and make `nyx.conf` and `maternode.conf` files
2. Start masternode
3. Install Sentinel

1. Install control wallet for windows

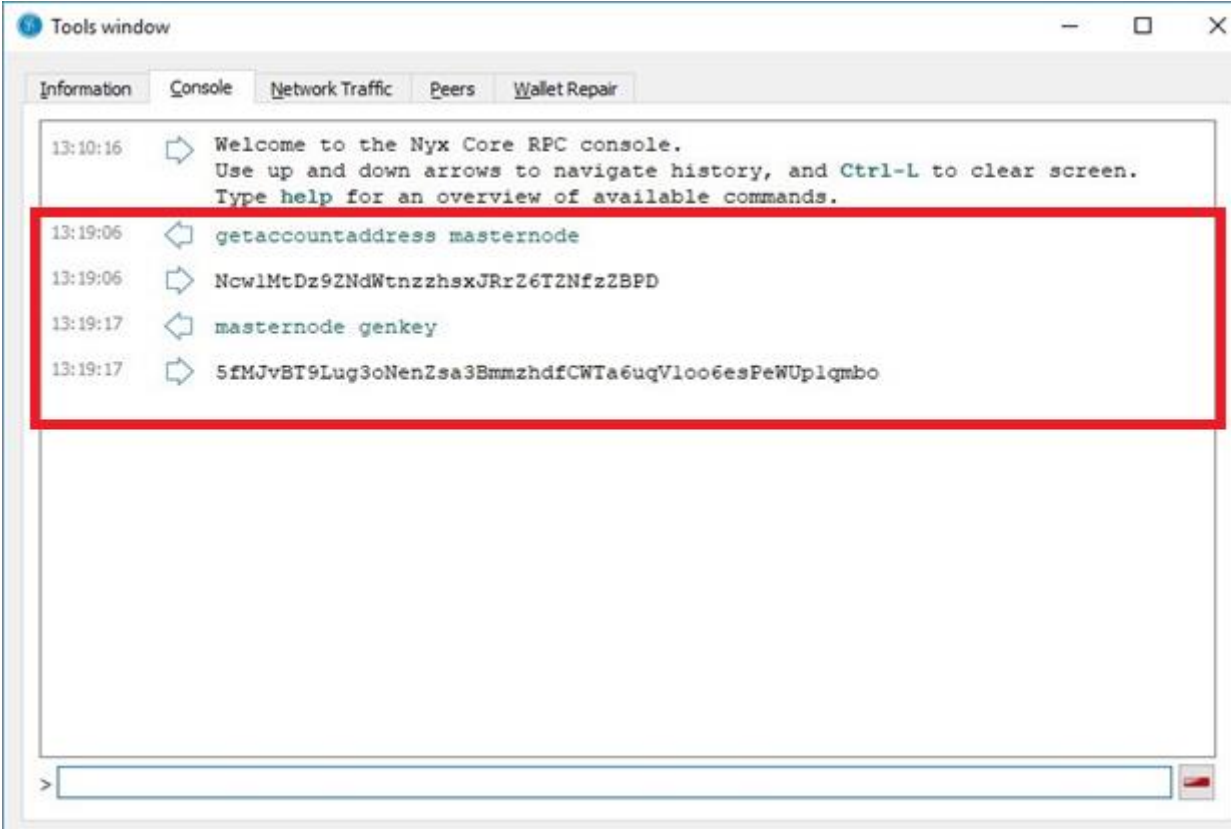
- a) Go to <https://www.nyxcoin.org/download> and download wallet for your windows.
- b) Unpack it (I advise you to unpack it to D:\NYX folder)
- c) Create DATABASE folder inside D:\NYX folder
- d) Launch nyx-qt.exe



e) It will offer to choose data directory. Select “Use a custom data directory” and select D:\NYX\DATABASE folder (it will be more comfortable for future use)



- f) As soon as wallet start go to SETTINGS -> OPTIONS -> WALLET and check “Show Masternodes Tab”. Press OK.
- g) Close Nyx core and open again. You will see masternodes tab. Wait for Synchronizing finish.
- h) Go to TOOLS -> DEBUG CONSOLE
- i) Type: `getaccountaddress masternode`
(It’s your masternode address, copy it to notepad, you should send exactly 1000 coin to that address)
- j) Type: `masternode genkey`
(Your “masternodeprivkey”, copy that key to notepad, you will need it later)



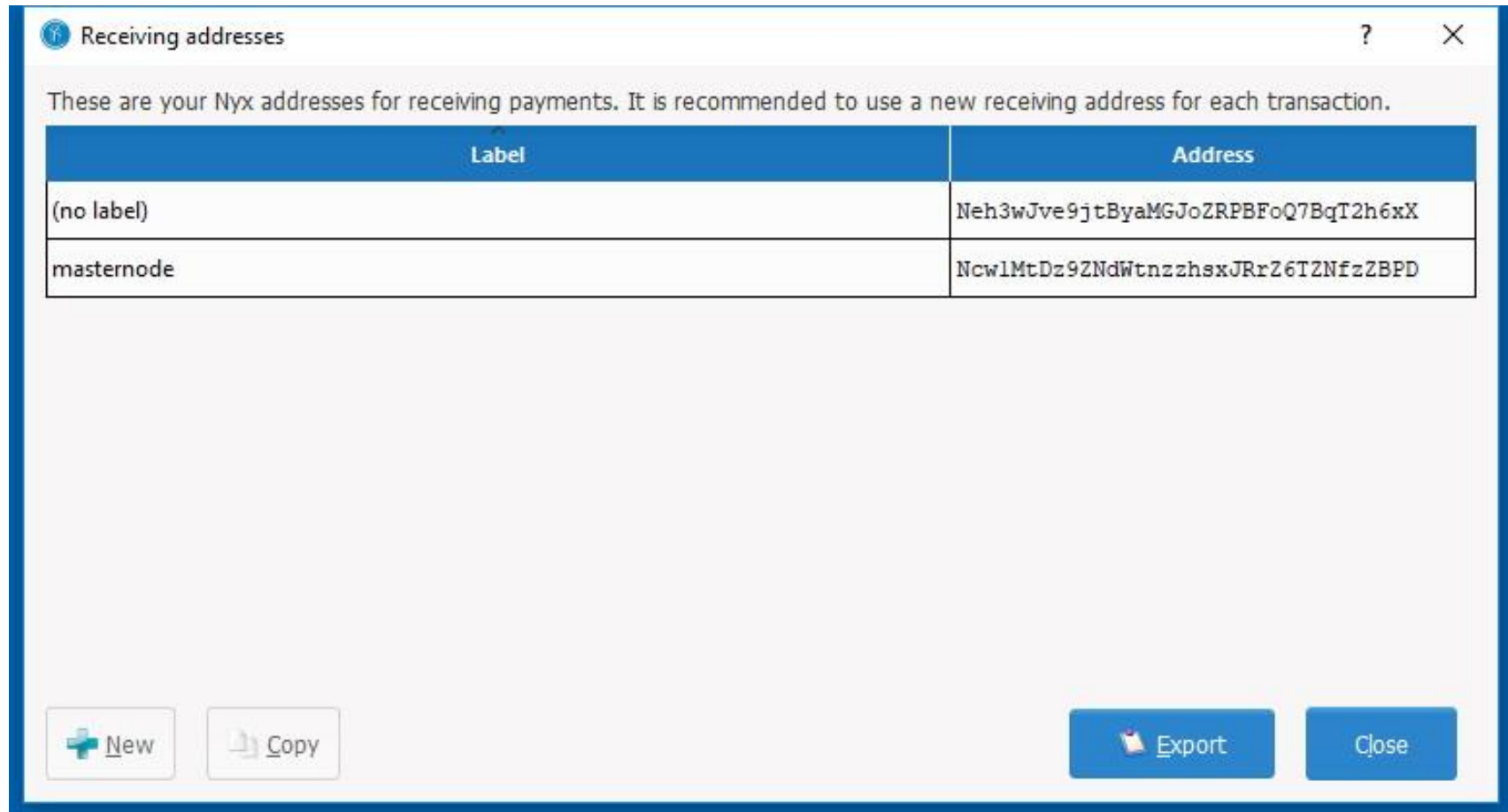
The screenshot shows a 'Tools window' with a 'Console' tab selected. The console output is as follows:

```
13:10:16 > Welcome to the Nyx Core RPC console.  
Use up and down arrows to navigate history, and Ctrl-L to clear screen.  
Type help for an overview of available commands.  
13:19:06 < getaccountaddress masternode  
13:19:06 > NcwlMtDz9ZNdWtnzzhsxJRrZ6T2NfzZBPD  
13:19:17 < masternode genkey  
13:19:17 > 5fMJvBT9Luq3oNenZsa3BmmzhdfCWTa6uqV1oo6esFeWUp1qmb0
```

The commands and their outputs are highlighted with a red box in the original image.

k) Close debug console

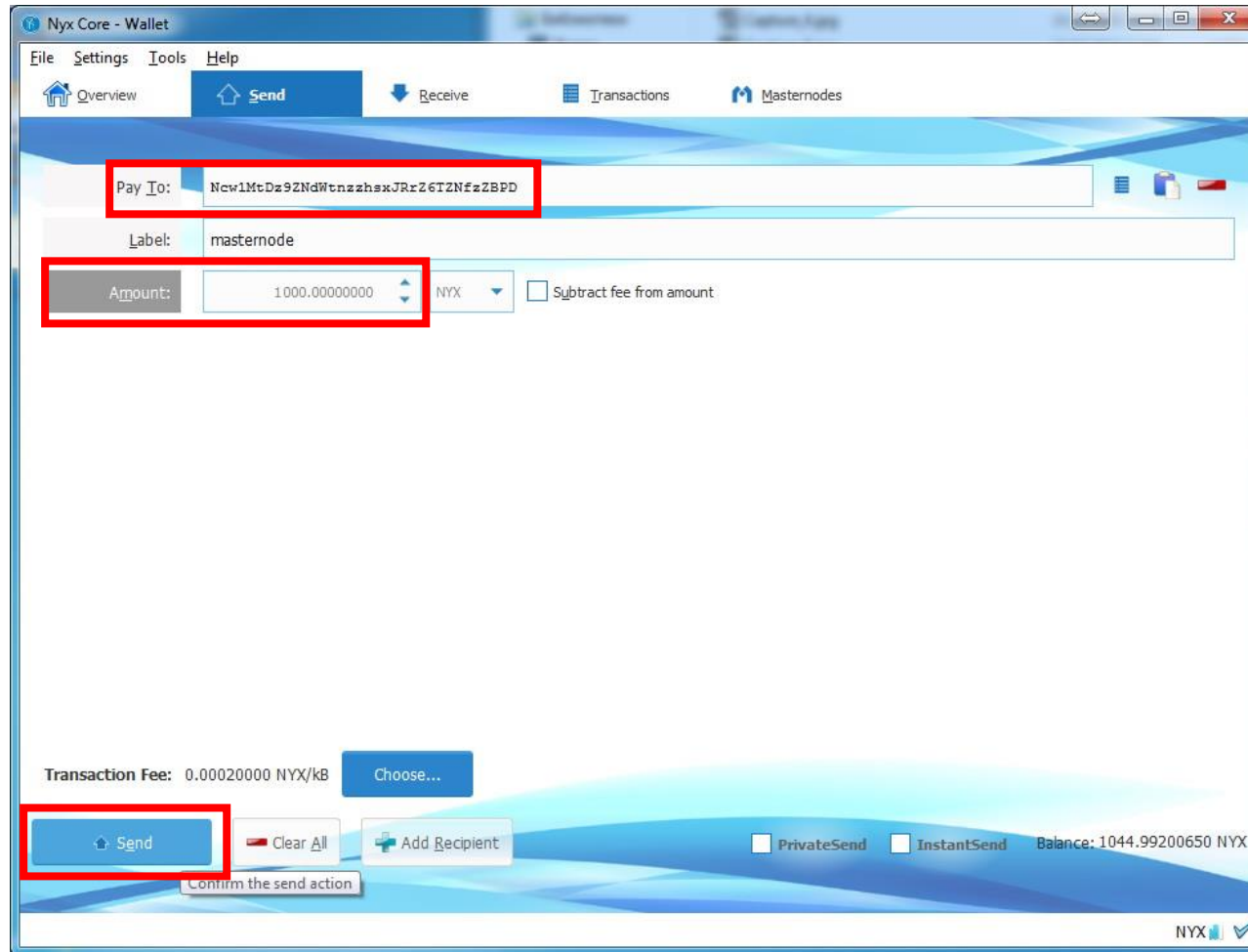
l) To the left corner of wallet application press FILE -> RECEIVING ADDRESSES



*NOTE: Sample addresses on picture. Don't sent here! Send to your addresses.

m) SEND 1001 NYX or more from exchange to first address labeled as “(no label)”

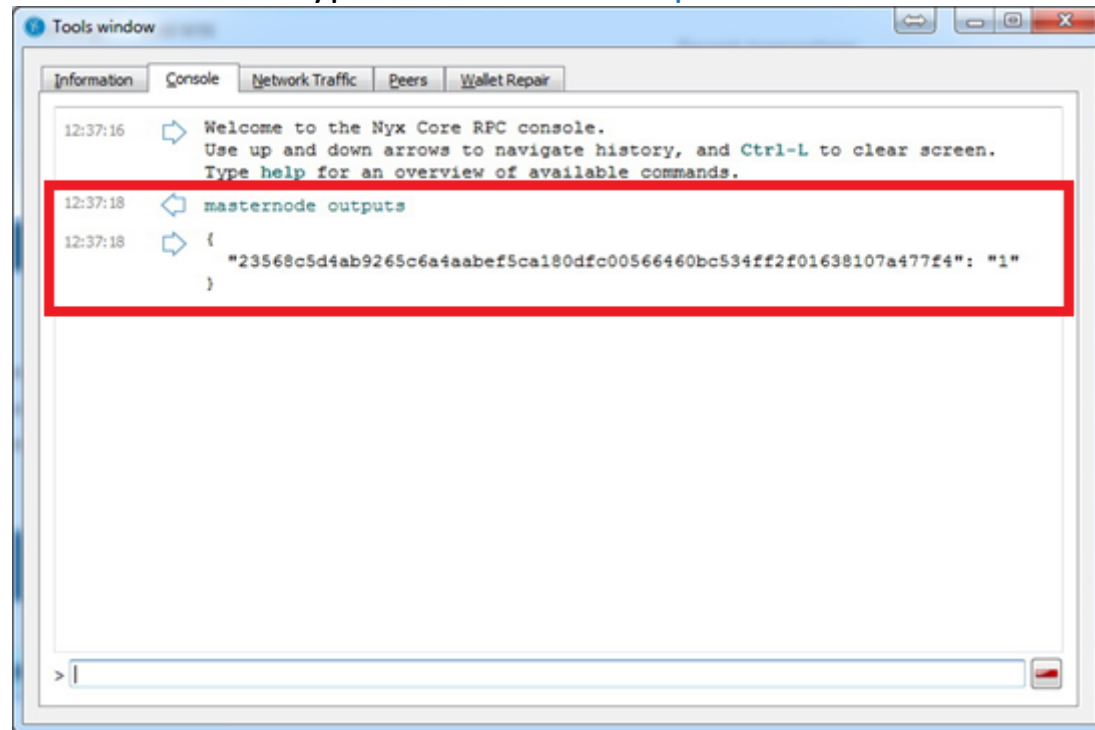
n) When coins come and you can see it in your wallet - send 1000 NYX exactly to address labeled as “masternode” (exactly 1000coins, don’t try to send coins from exchange to “masternode” address directly. You will unable to send exactly 1000 from exchange).



o) It will appear as “Payment to yourself” and minus commission only. That is ok. Wait for 15 confirmations. It will take about 30 minutes. To check confirmations just double click on transaction.

Payment to yourself	↩ (n/a)	-0.00007480
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p) Go to TOOLS -> DEBUG CONSOLE and type: [masternode outputs](#)



q) Copy text only to notepad without quotes and brackets. It will be your collateral_output_txid and collateral_output_index

r) Open TOOLS -> Open Masternode Configuration File

s) To the bottom of text you should paste your data(divided by spaces):

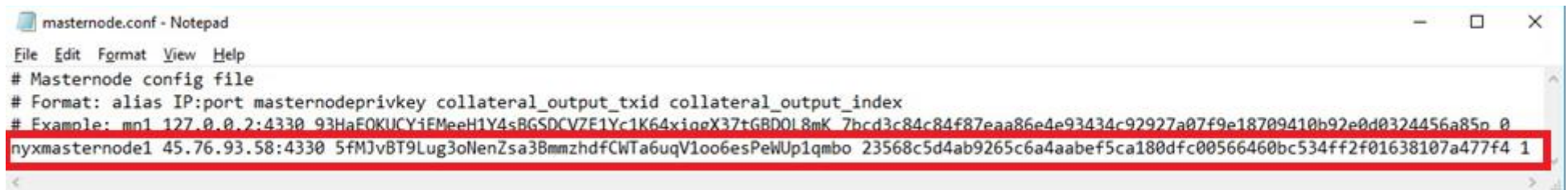
Masternodename - any you want

IP:port – Your external IP address and port 4330(port is fixed for all)

masternodeprivkey – You got it from step #1-j

collateral_output_txid – first part of masternode outputs

collateral_output_index – second part of masternode outputs (usually 1 or 0)



```
masternode.conf - Notepad
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:4330 93HaF0KUCYiFMeeH1Y4sBGSDCV7E1Yc1K64xiqX37tGRD0I8mK_7bcd3c84c84f87eaa86e4e93434c92927a07f9e18709410b92e0d0324456a85n_0
nyxmasternode1 45.76.93.58:4330 5fMJvBT9Lug3oNenZsa3BmmzhdFCWta6uqV1oo6esPewUp1qmb0 23568c5d4ab9265c6a4aabef5ca180dfc00566460bc534ff2f01638107a477f4 1
```

* Last string is example how it must be looks like, don't copy my text but insert your data!

* Check your external rented IP from internet service provider. Port is 4330.

t) Save changes and close masternode.conf file.

u) Go to TOOLS -> Open Wallet Configuration File

v) You should change RPCUSER, RPCPASSWORD, EXTERNALIP and MASTERNODEPRIVEKEY. Copy whole blue text to notepad, change only red text with your data and paste it in nyx.conf file.

```
rpcuser=ReplaceWithSomeUsernameOnlyAlphabeticWithoutSymbolsAndSpaces  
rpcpassword=ReplaceWithYourOwnUniquePasswordWithoutSymbolsAndSpaces  
rpcallowip=127.0.0.1  
rpcport=4331  
listen=1  
server=1  
daemon=1
```

```
externalip=XXX.XXX.XXX.XXX  
masternode=1  
masternodeprivkey=YourPrivKeyFromStep1-j
```

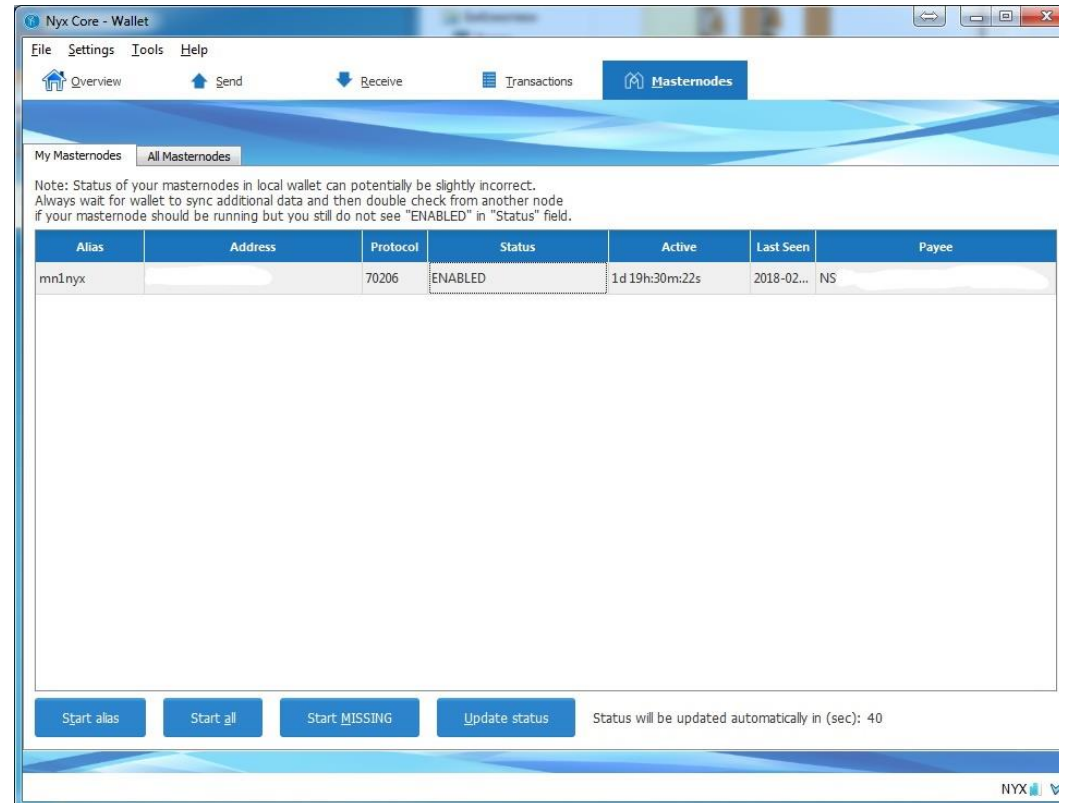


```
nyx.conf - Notepad  
File Edit Format View Help  
rpcuser=masternodeslife  
rpcpassword=masternodeslifemasternodeslife  
rpcallowip=127.0.0.1  
rpcport=4331  
listen=1  
server=1  
daemon=1  
  
externalip=45.76.93.58  
masternode=1  
masternodeprivkey=5fMJvBT9Lug3oNenZsa3BmmzhdfCWta6uqV1oo6esPeWUp1qmbo
```

w) Save changes and close nyx.conf file.

2. Start masternode

- a) Open windows wallet again
- b) Wait for full sync
- c) Open Masternodes tab -> My masternodes -> Start all
- d) Your status will become "PRE_ENABLED" and after 30-60min it will be changed to "ENABLED"
- e) Sometimes you should wait for 1-2 hours for your masternode sync with another nodes and become ready for starting, if it not start immediately don't worry, just try a little bit later.
- f) Relaunch your node if your status became "NEW_START_REQUIRED" after running a few days.
- g) Don't worry if status is "WATCHDOG_EXPIRED". It will go back to "ENABLED" in 30-60 minutes.
- h) DON'T close your windows wallet. It must be run 24/7.



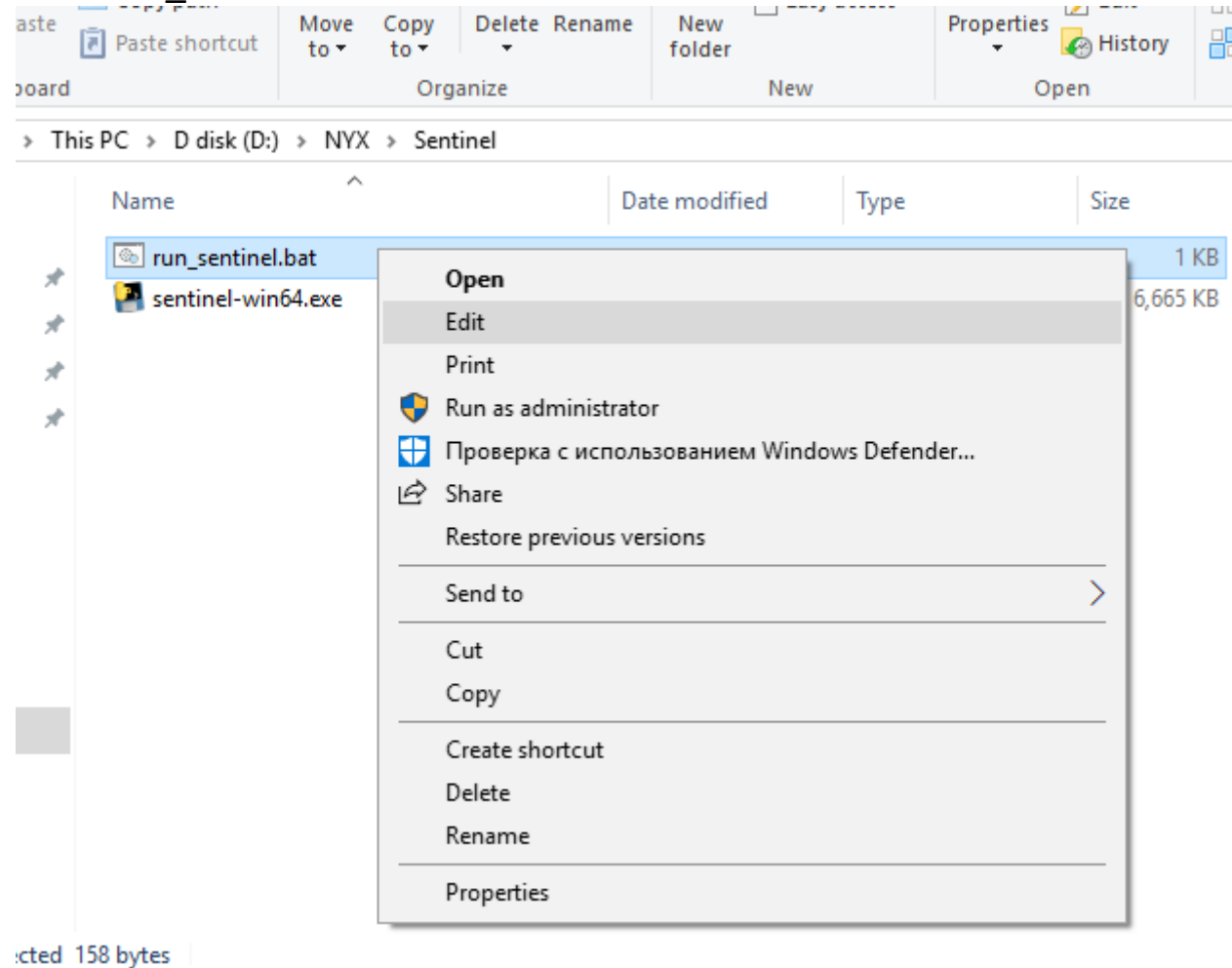
3. Install Sentinel

a) Download Sentinel from:

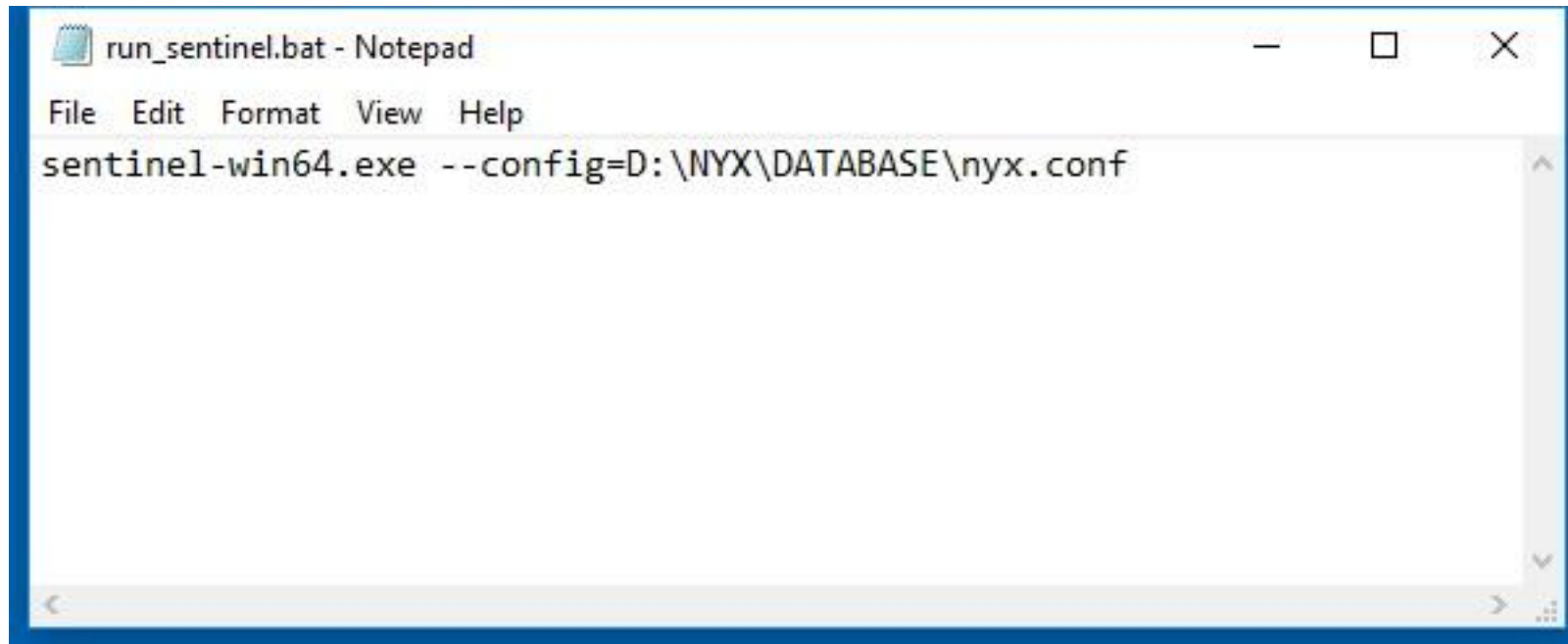
<https://github.com/nyxpay/sentinel/releases/download/v1.1.0/sentinel-win64.zip>

b) Unpack it to D:\NYX and go to sentinel folder

c) Right button click on “run_sentinel.bat” and select “Edit”



- d) On the opened window DELETE all text and paste the following blue text:
`sentinel-win64.exe --config=D:\NYX\DATABASE\nyx.conf`



```
run_sentinel.bat - Notepad
File Edit Format View Help
sentinel-win64.exe --config=D:\NYX\DATABASE\nyx.conf
```

- e) Save changes and close file
f) Double click “run_sentinel.bat”



```
C:\Windows\system32\cmd.exe
D:\NYX\Sentinel>sentinel-win64.exe --config=D:\NYX\DATABASE\nyx.conf
Using desire.conf: D:\NYX\DATABASE\nyx.conf
2018-02-19 13:35 Running sentinel
```

* Green is ok! If it doesn't start, try to "Run as administrator". Don't close sentinel window, just minimize it.

CONGRATULATIONS! YOU DID IT!

GOOD LUCK!