



Linda Coin

Hot & Cold Masternode Setup Guide

This detailed guide is made for the Linda community and will lead you how to setup a Hot (Linux) & Cold (Windows) Masternode.
If you need any help, feel free to join us on Discord: <https://discord.gg/SHNjQBv>.

Before you start:

- A Linda masternode requires 2.000.000 (2 million) coins, you can buy these coins at the following exchanges: <https://lindacoin.com/#exchanges>.
- Before creating a
- We refer to **Hot wallet** as the Masternode that is running on the **VPS**. We call it hot because it's directly accessible on port TCP 33820 for 24/7 and much vulnerable than the Cold wallet. The hot wallet has a balance of zero coins and this will stay zero forever.
- We refer to **Cold wallet** as the Windows QT software that's installed on **your home PC**, safe behind a firewall. This Linda wallet contains the 2M coins for the Masternode. This wallet doesn't need to be only 24/7 with a static IP address. Don't stake the wallet with the 2M coins in, it will cause the coins to split and disable your masternode.
- All masternode payouts will come in your cold wallet (even when it isn't online)
- You will never need to add " " anywhere so if you find this in this guide: just copy the text between it
- Follow all provide steps exactly

Why do you need a VPS for the masternode?

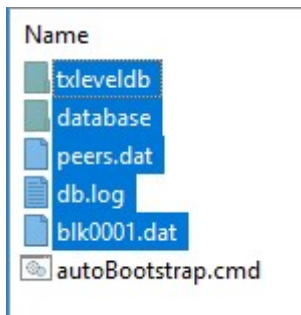
- The masternode needs to be online 24/7 with low latency
- A static IP address is required
- You need some IT knowledge (port forwarding, firewall rules, networking...) if you run the masternode at home
- Security! Every IP can be traced, if you run a masternode at home you can become an easily target for criminals (they know you have cryptocurrency)

A donation will be appreciated.
Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT



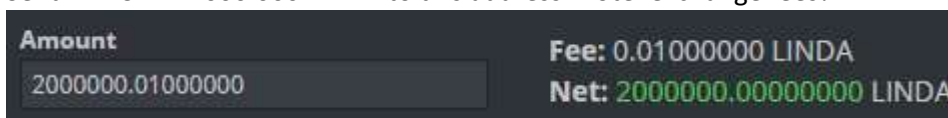
Cold wallet installation:

- Download the Windows QT software from: <https://github.com/Lindacoin/Linda/releases>. Most users will need the 64bit version (**Win64.Linda-Qt**). Check your system information if you need the 32 or 64-bit version
- Open the download file and extract the file to your desktop PC
- Open the file & next until finished
- Click on the "Receive" tab and at the bottom "New Address". Label the address as "MN1" and press OK.
- To fast-forward the syncing process, download the bootstrap: <https://s3.amazonaws.com/lindachain/linda-bootstrap.zip>
 - ⇒ If you blocks gets stuck, delete the files and execute same process with this download: https://drive.google.com/open?id=1WW_3WdrUxhof7V--raMzkKU2cQulaVlr
- Close your Linda software & go to the following path: "C:\Users\YourUserName\AppData\Roaming\Linda"
- Copy the files from the ZIP file directly to this location (without the autoBootstrap file) or extract the ZIP file to a new folder and double click on autoBootstrap



Replace the files in the destination if asked

- Open your Linda wallet again and copy your MN1 address.
Send EXACTLY 2.000.000 LINDA to this address. Note: exchange fees!



- Your wallet needs now some time (from couple of minutes to couple of hours) to sync the remaining blocks
- When you received the coins, you will have to wait for 15 confirmations until the next steps for the Cold MN setup (you can continue with Hot wallet installation in meantime)
- When your transaction has 15 confirmations, go to Help – Debug window – Console and perform 2 commands: (all lower text!)
 - "masternode genkey"
 - "masternode outputs"

Never give out these 2 keys to anyone. Copy these 2 files to a temporary notepad file. If the "masternode outputs" shows nothing you didn't send yourself EXCATLY 2M Linda or it isn't confirmed yet

A donation will be appreciated.

Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT



Hot wallet installation:

- Rent a VPS from Vultr. Please use this referral link: <https://www.vultr.com/?ref=7374541> if you don't have an account, you help me by using this link.
- Order a new server:
 - o Server location: Pick one, doesn't matter
 - o Server Type: Ubuntu; 16.04 x64
 - o Server Size: \$5 (25GB SSD)
 - o Skip the rest
 - o Press deploy now & let it install
- Download Putty: <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>
- Open Putty & connect to the server (check dashboard for IP & password, login: root)
- Perform in this order the commands.

You will see `root@vultr:~# █` when it's done. Some commands take some time to finish! Don't interrupt them! [More info about command]

Note capital letters in some commands!

```
apt-get update

apt-get upgrade

fallocate -l 3G /swapfile

chmod 600 /swapfile

mkswap /swapfile

swapon /swapfile

echo -e "/swapfile none swap sw 0 0 \n" >> /etc/fstab

sudo apt-get install -y pkg-config

sudo apt-get -y install build-essential autoconf automake libtool libboost-all-dev libgmp-
dev libssl-dev libcurl4-openssl-dev git

sudo add-apt-repository ppa:bitcoin/bitcoin

sudo apt-get update

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

cd ~/

git clone https://github.com/Lindacoin/Linda

cd Linda/src

make -f makefile.unix [this takes around 15 minutes to complete!]
➔ check bottom page 5 if this fails!!!
```

A donation will be appreciated.

Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT



```
cp Linda /usr/local/bin
```

```
cd ../..
```

```
rm -r Linda [wait 10 sec after giving this command before performing next command]
```

```
Linda -daemon [starts the Linda software – wait 1min before next command]
```

```
Linda stop
```

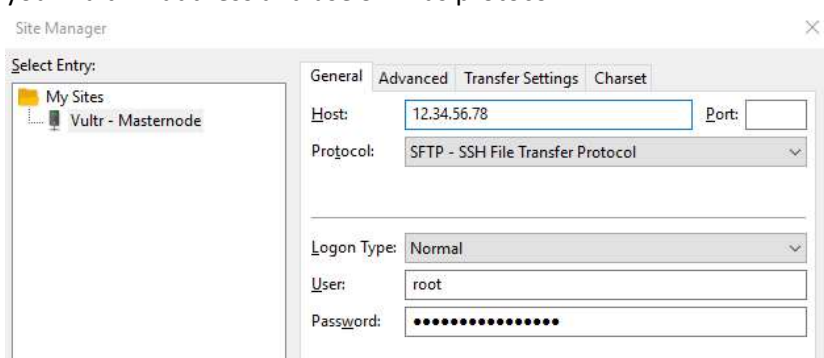
```
sudo nano ~/.Linda/Linda.conf [paste text below into the screen]
```

```
rpcuser=asupersecureusername  
rpcpassword=anevenmoresecurepassword  
rpcallowip=127.0.0.1  
staking=1  
server=1  
listen=1  
daemon=1  
logtimestamps=1  
maxconnections=256  
masternode=1  
masternodeprivkey=xxxxxxxxxxx
```

Replace xxxxxxxxxxxx with your masternode genkey

Press Control+X, then “Y” to save and press Enter

- You have downloaded the bootstrap files earlier, if they aren't extracted to a new folder on your desktop you can do it now
- Download, install & open FileZilla: <https://filezilla-project.org/download.php>
- File – Site Manager, click on “New Site” and fill in the details & click on OK. In host you fill in your Vultr IP address and use SFTP as protocol



A donation will be appreciated.

Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT



- When you're connected click on the folder ".Linda" on your right side and open on the left side the map with the extracted files:

Filename	Filesize	Filetype	Last modified	Filename	Filesize	Filetype	Last modified	Permissions	Owner/Gro...
..				..					
database		File folder	04/08/18 23:33:36	database		File folder	04/08/18 23:32:...	drwx-----	root root
tbleveldb		File folder	04/08/18 23:33:36	tbleveldb		File folder	04/11/18 20:56:...	drwx-----	root root
blk0001.dat	259.367.454	DAT File	04/07/18 18:22:44	lock	0	LOCK File	04/08/18 23:32:...	-rw-----	root root
peers.dat	641.540	DAT File	04/07/18 18:14:30	blk0001.dat	268.370.069	DAT File	04/11/18 20:56:...	-rw-----	root root
				db.log	0	Text Docu...	04/08/18 23:32:...	-rw-----	root root
				debug.log	4.207.570	Text Docu...	04/11/18 20:56:...	-rw-----	root root
				Linda.conf	608	CONF File	04/11/18 20:52:...	-rw-r--r--	root root
				Lindad.pid	6	PID File	04/11/18 15:52:...	-rw-r--r--	root root
				peers.dat	630.616	DAT File	04/11/18 20:52:...	-rw-----	root root
				wallet.dat	77.824	DAT File	04/11/18 19:25:...	-rw-----	root root

- Select all files from your left, right click and upload. Select "Overwrite" & "Always use this action" in combination with "Apply to current queue only" & click OK.
Wait until all files are transferred before continuing
- Start your Linda software: "Lindad -daemon"
- Wait 15 seconds and perform: "Lindad getinfo" and check "blocks"
- Wait 2 minutes and perform the same command "Lindad getinfo" and check if "blocks" is increased. If not: give it 15 minutes more to be sure, if then still the same block: download the other bootstrap (see page 2; drive.google....)
- Check the public blockchain: <https://prohashing.com/explorer/Lindacoin/> to see the current block, if this block is the same as the blockid you get from "Lindad getinfo" your masternode is synced

** Ignore this part if you don't had an issue with the makefile command **

Sometimes the makefile fails, fix this by performing the following commands:

```
cd ../..
rm -r Linda
wget https://github.com/Lindacoin/Linda/releases/download/2.0.0.1/Unix.Lindad.v2.0.0.1g.tar.gz
tar -xzf Unix.Lindad.v2.0.0.1g.tar.gz -C /usr/local/bin/
```

Go to step "Lindad -daemon" on page 4 (perform this command also)

A donation will be appreciated.

Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT



Finalising the configuration

- Go back to your Windows Linda software and close the wallet
- Go to the appdata folder: "C:\Users\YourUserName\AppData\Roaming\Linda" and edit Linda.conf to this:

```
rpcuser=asupersecureusername
rpcpassword=anevenmoresecurepassword
rpcport=33821
rpcallowip=127.0.0.1
daemon=1
staking=0
server=1
listenonion=0
addnode=seed1.linda-wallet.com
addnode=seed2.linda-wallet.com
addnode=seed3.linda-wallet.com
addnode=seed4.linda-wallet.com
addnode=seed5.linda-wallet.com
addnode=seed6.linda-wallet.com
addnode=seed7.linda-wallet.com
addnode=seed8.linda-wallet.com
addnode=seed9.linda-wallet.com
addnode=seed10.linda-wallet.com
addnode=seed11.linda-wallet.com
```

Copy & paste it and change rpcuser & rpcpassword to the values that you have set in your Linda.conf file in your VPS

- Make a new file "masternode.conf" (no capital letters) with the following text:
MNName lpVps:33820 MasternodeGenkeyColdWallet MasternodeOutputsColdWallet Nr

Example:

```
MN1 12.34.56.78:33820 S4gEs5G4eG56g4glomOMe4g Goi7LjMjiGd80Gdsf 1
```

- Save this file and open your Linda software again
- Let it sync for a couple of minutes to be sure that everything is running & synced
- Go to Help – Debug Window – Console and perform "masternode start-many". You should get:

```
masternode start-many
{
  "overall": "Successfully started 1 masternodes, failed to start 0, total 1",
  "detail": {
    "status": {
      "alias": "MN1",
      "result": "successful"
    }
  }
}
```

- Bonus step: If you like to be sure if your masternode runs perform after couple of seconds "Lindad masternode start" in your VPS, if it's good you will get:

```
root@vultr:~# Lindad masternode start
masternode started remotely
```

- Your MN will appear in the list under "Masternodes" but this can take some time. It will also take around 30 minutes for you MN to update it stats (so you will see around 30 minutes: Active (secs): 0).

A donation will be appreciated.

Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT



What happens if my VPS gets hacked?

Because of the Hot & Cold setup your coins are safe on your own PC, if people hack your VPS the only thing they can do is converting it for their self (but they need 2M coins for that) or shutting your VPS down... So, this isn't a big deal...

Do I need to backup my wallets?

If you followed [this](#) guide you don't have to backup your VPS wallet, but you have to backup your Cold wallet 3 times and to be sure: encrypt it!! Safe every copy on different safe places.

What is different if my Cold wallet is on Mac?

Not much, only the location of your backend files (appdata), for the rest it's all the same.

Who made this guide?

I'm NerdyUser, IT dude from Belgium and you can find me in the official Linda discord! You can also follow me on Twitter (<https://twitter.com/MrNerdyUser>).

A donation will be appreciated.

Linda address: LXFo7eDPL3cAgGbYXDq9gtenyX7LQQfptT