

VALIDITY

Staking Basic Installation & Setup Guide



English

Table of Contents

1. Downloading the Validity Wallet | Page 1

1.1 Installing the Validity Wallet

2. Encrypting your Wallet | Pages 2-4

2.1 Unlocking your wallet - required for staking/sending VAL

2.2 Creating a backup of your wallet

2.3 Restoring a backup of your wallet

 2.3.1 For Windows

 2.3.2 For Mac

3. Creating a Receiving Address | Page 4

4. Staking your Validity | Pages 5-9

4.1 Adding additional Validity network peers to your wallet

4.2 What exactly is staking?

4.3 How much can you earn with staking?

5. Resyncing your Local Blockchain Data | Page 10

5.1 For Windows

5.2 For Mac

6. Repairing a Corrupt Wallet | Page 11

6.1 Repairing a corrupt wallet / correcting improper balance

6.2 Repairing a corrupt wallet - last resort option



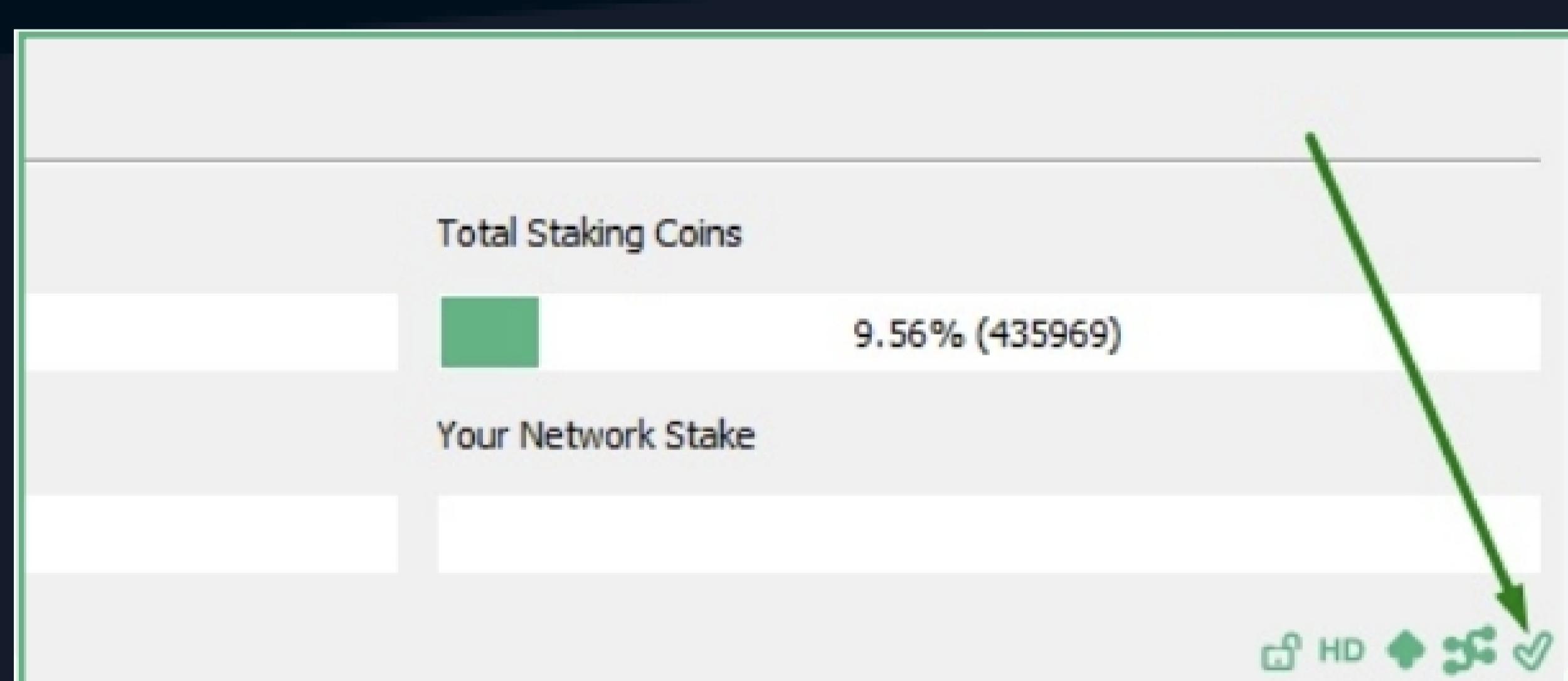
1. Downloading the Validity Wallet

You can download the latest version of the Validity wallet from our official website www.validitytech.com/#downloads

Select the appropriate download option for your operating system and save the file to your preferred location.

1.1 Installing the Validity Wallet

- Browse to the location of the downloaded wallet file and double click either The EXE (Windows), DMG file (Mac) or DEB file (Linux)
- For Windows users you may be prompted by Windows Firewall to allow the application to run and utilise your networks. You can safely Allow Access
- Your wallet will now begin to synchronize with the network. Please allow several hours for the process to complete
- Once fully synced you will see the following tick symbol confirming synchronization :



- If you hover over the checkmark you'll also see a status message that says "Up to date".



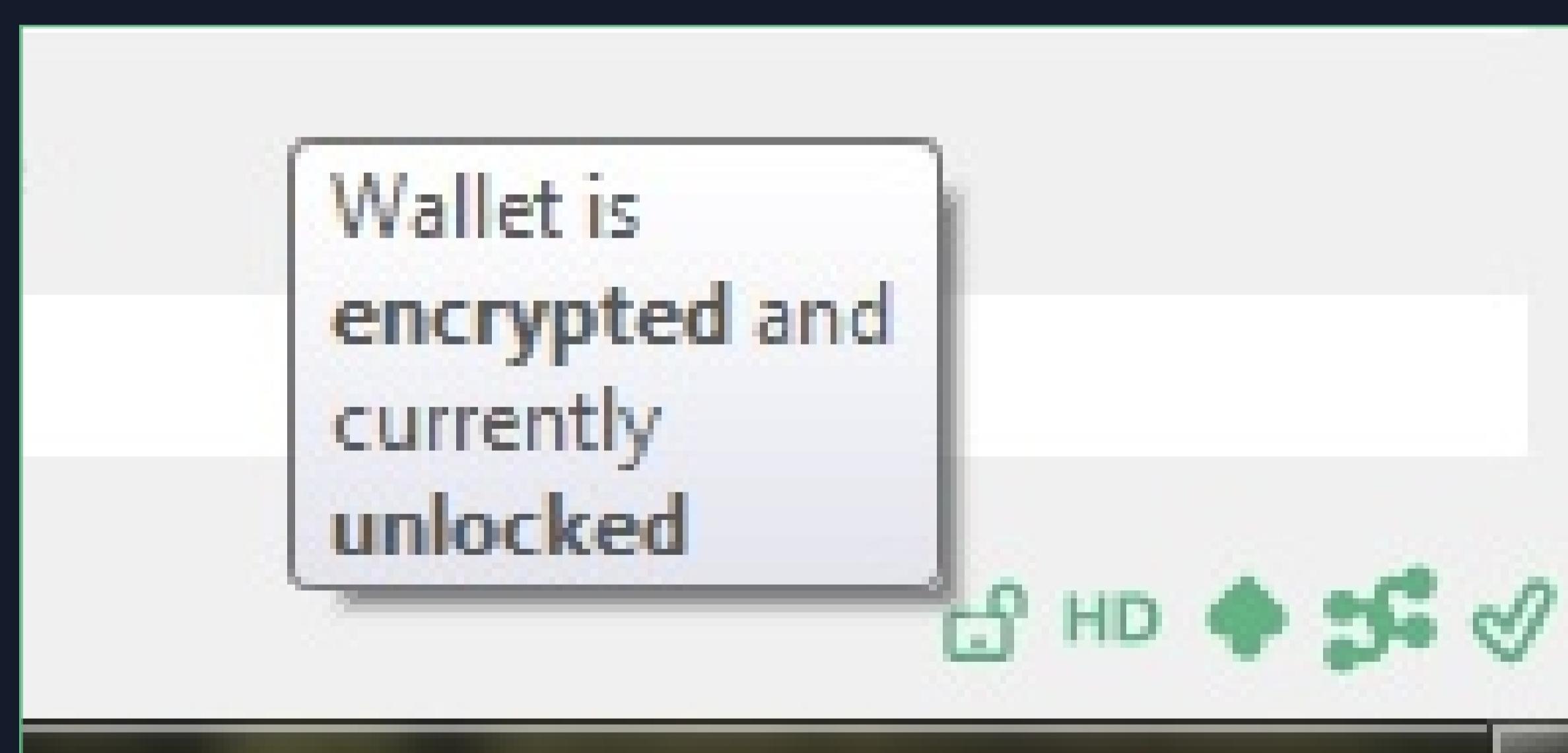
2. Encrypting your Wallet **RECOMMENDED**

Wallet encryption is highly recommended and simple to implement

- Simply go to Settings (along the top navigation of the wallet)
- Then click on Encrypt Wallet
- You will be prompted to enter a passphrase. Enter something only you could know - a complex passphrase is preferable.
- **IMPORTANT** write down your passphrase and keep it in a **safe** place. If you lose the passphrase no one can help you, you will not be able to manage (send/stake) your coins.
- Once confirmed, any time you would like to send Validity and/or stake Validity, you will need to unlock your wallet (see below).

2.1 Unlocking your wallet

- Unlocking your wallet is required for both staking and sending VAL.
- Simply go to Settings (along the top navigation of the wallet)
- Then click Unlock Wallet. The following window will pop up:



- Enter your passphrase.
- Now if you are attempting to stake your current holdings, it is recommended that you check the box “For Staking Only”. This will ensure that you can stake; but your VAL cannot be transferred.
- If you are interested in executing a transaction, you may leave that box unchecked and proceed with fully unlocking your wallet.



2. Encrypting your Wallet (continued)

Once you have executed your transaction it is recommended that you re-lock your wallet

If you restart your PC/laptop and you were staking, you need to unlock your wallet again to start staking, The same goes if you just shutdown your wallet, you need to unlock it

2.2 Creating a Backup of your Wallet

- From the topmost navigation, select File
- Click on Backup Wallet
- Select a destination to save your wallet and save it
- NOTE: Any time you generate a new wallet address, you must create a new backup, In fact we recommend periodic backups just in case, since sending Validity can also result in new addresses. Store the backup in a **safe** place. We recommend an offline USB drive.

2.3 Restoring a Backup

2.3.1 For Windows

- Close your wallet if it is running
- Press the Windows Key +R to open the Run dialogue
- Type in %Appdata% and hit Enter
- A window will open and you should see the folder entitled “Validity”
- Double click to enter that folder and you will see a file called “wallet.dat”. Best practice is to rename this file to “wallet.dat.temp” just in case something goes wrong.
- Copy over your backup wallet.dat file into your Validity folder
- Open the Validity wallet and you should see your restored credentials.

**MAKE SURE TO ALWAYS KEEP A BACKUP OF
YOUR WALLET.DAT FILE!**



2. Encrypting your Wallet (continued)

2.3..2 For Mac

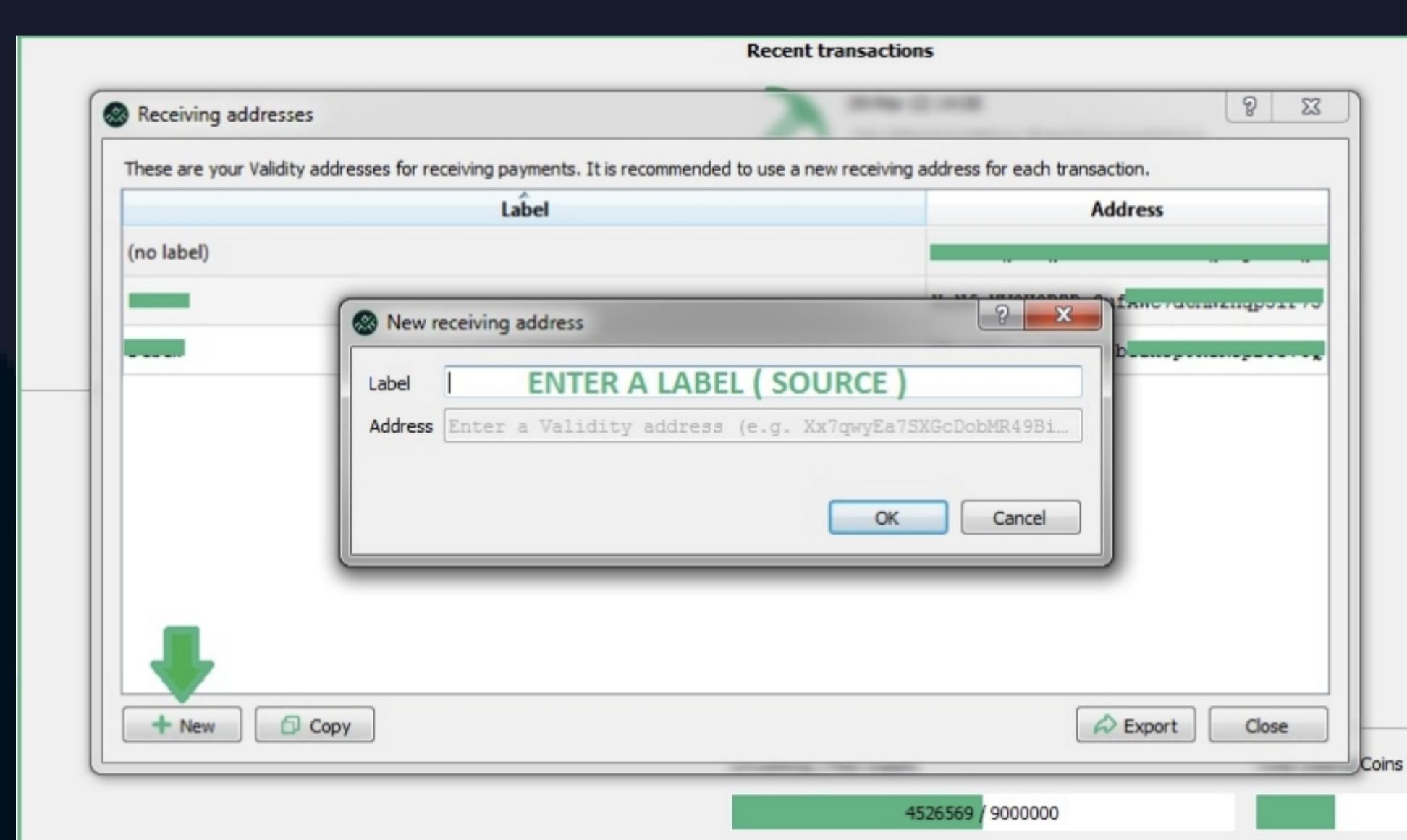
- Close your wallet
- Search for the folder: ~/Library/Application Support/validity/
- Remove the wallet.dat file from that folder
- Copy over your backup wallet.dat file into the Validity folder
- Open the Validity wallet and you should see your restored credentials

MAKE SURE TO ALWAYS KEEP A BACKUP OF YOUR WALLET.DAT FILE!

3. Creating a Receiving Address

Now that your downloaded, secured and back up your wallet, it's time to retrieve your coins.

- With your wallet open, select File from the top navigation
- Click “Receiving Addresses”
- The “Receiving Addresses” window will open as per the image below:

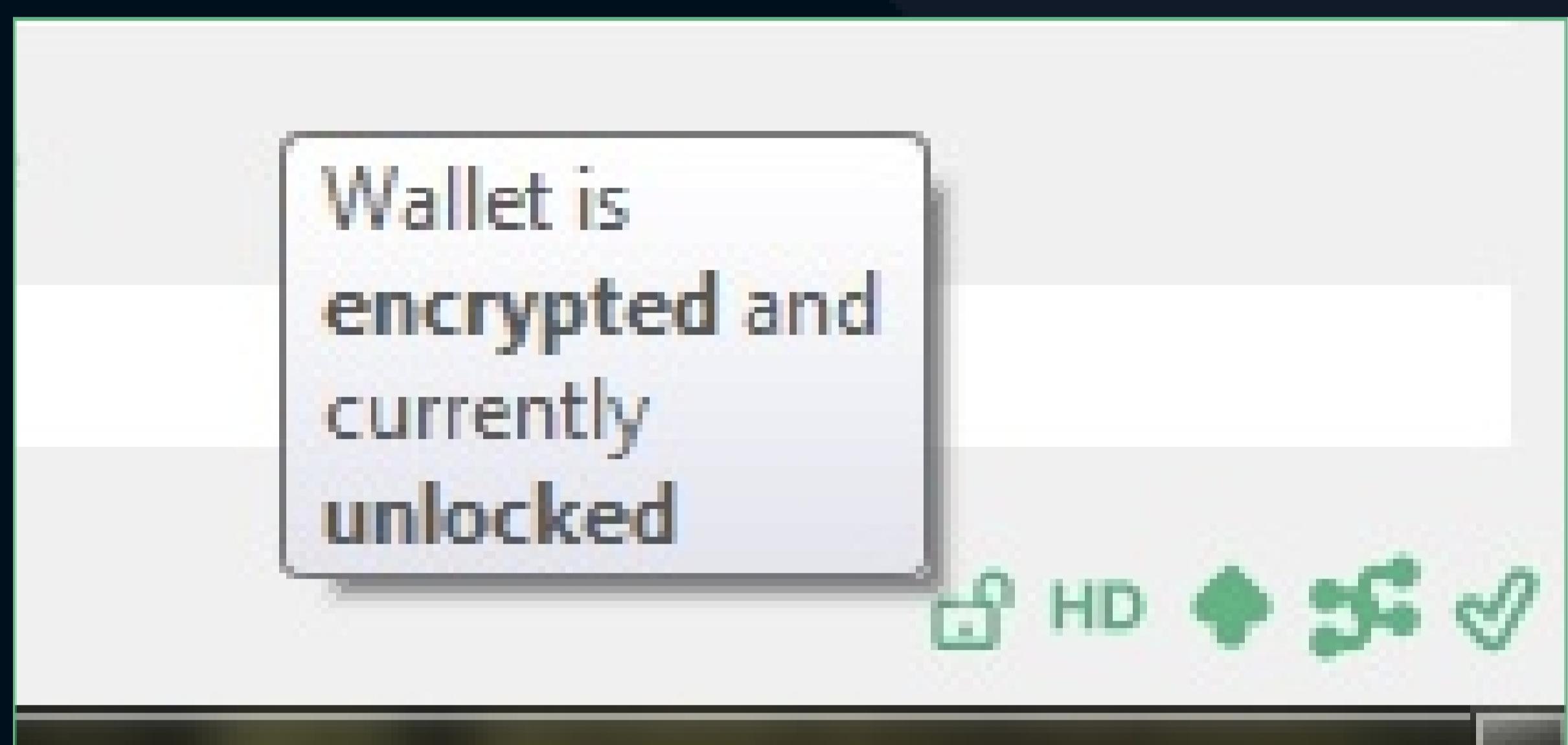


- Select “+New” to create a new Receiving Address. Another window will popup prompting you to enter a Label. While this is not necessary, it does help to keep track of fund sources so we do recommend it
- Not that's all there is to it! You've officially set up your very first VAL receiving address. Now you can send VAL to the receiving address you created.



4. Staking your Validity

- Open the Validity wallet if it is not already open
- Go to Settings (along the top navigation of the wallet)
- The click Unlock Wallet. The following window will pop up:

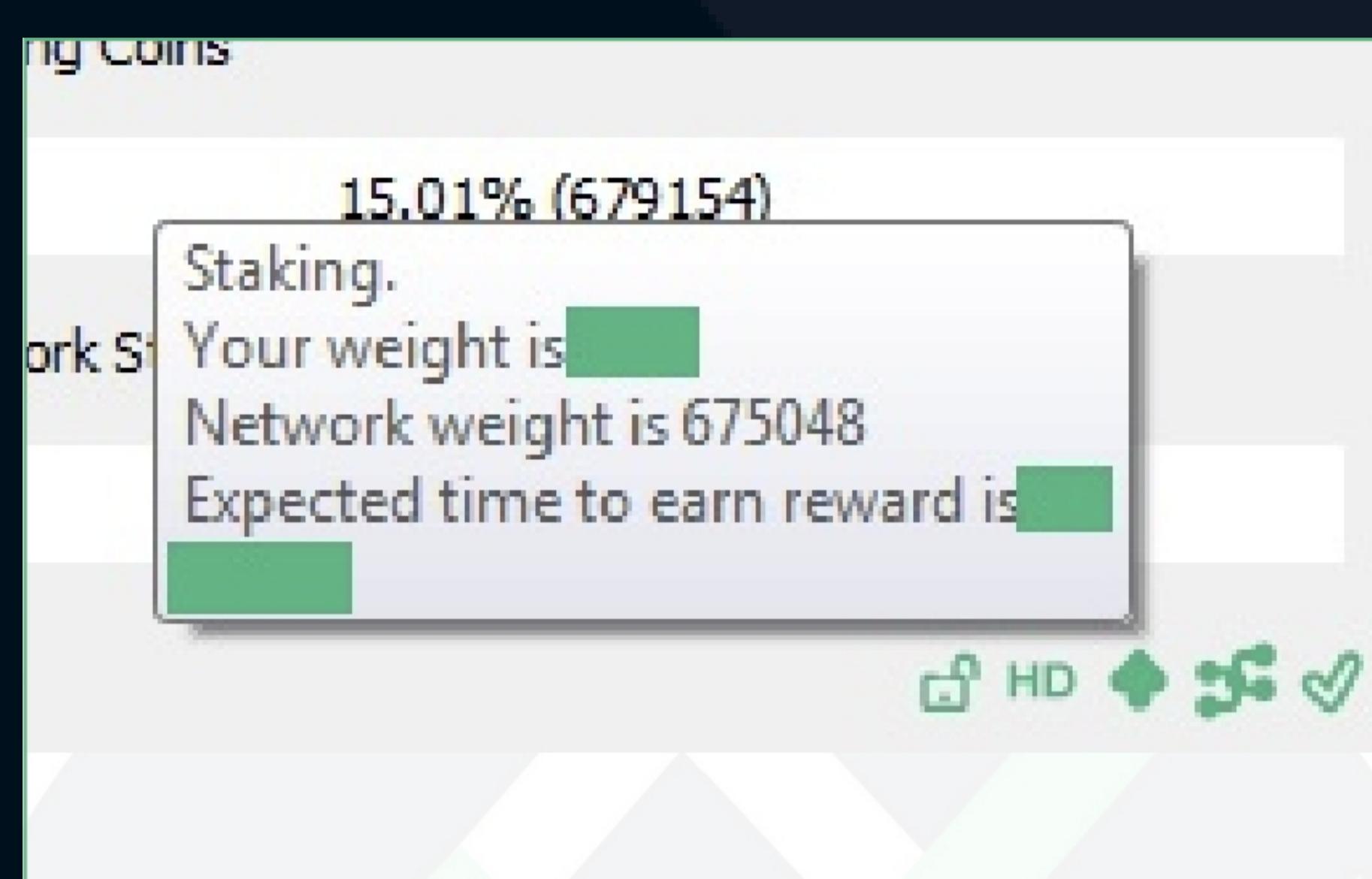


- Enter your passphrase
- Check the box that states “For Staking Only”. This will ensure that you can Stake, but your VAL cannot be transferred.
- Press OK
- To confirm that your wallet is staking correctly:
- Make sure that if your wallet is encrypted, that you have it unlocked For staking (as per above), This can be confirmed by hovering over The lock symbol in the bottom corner of the wallet

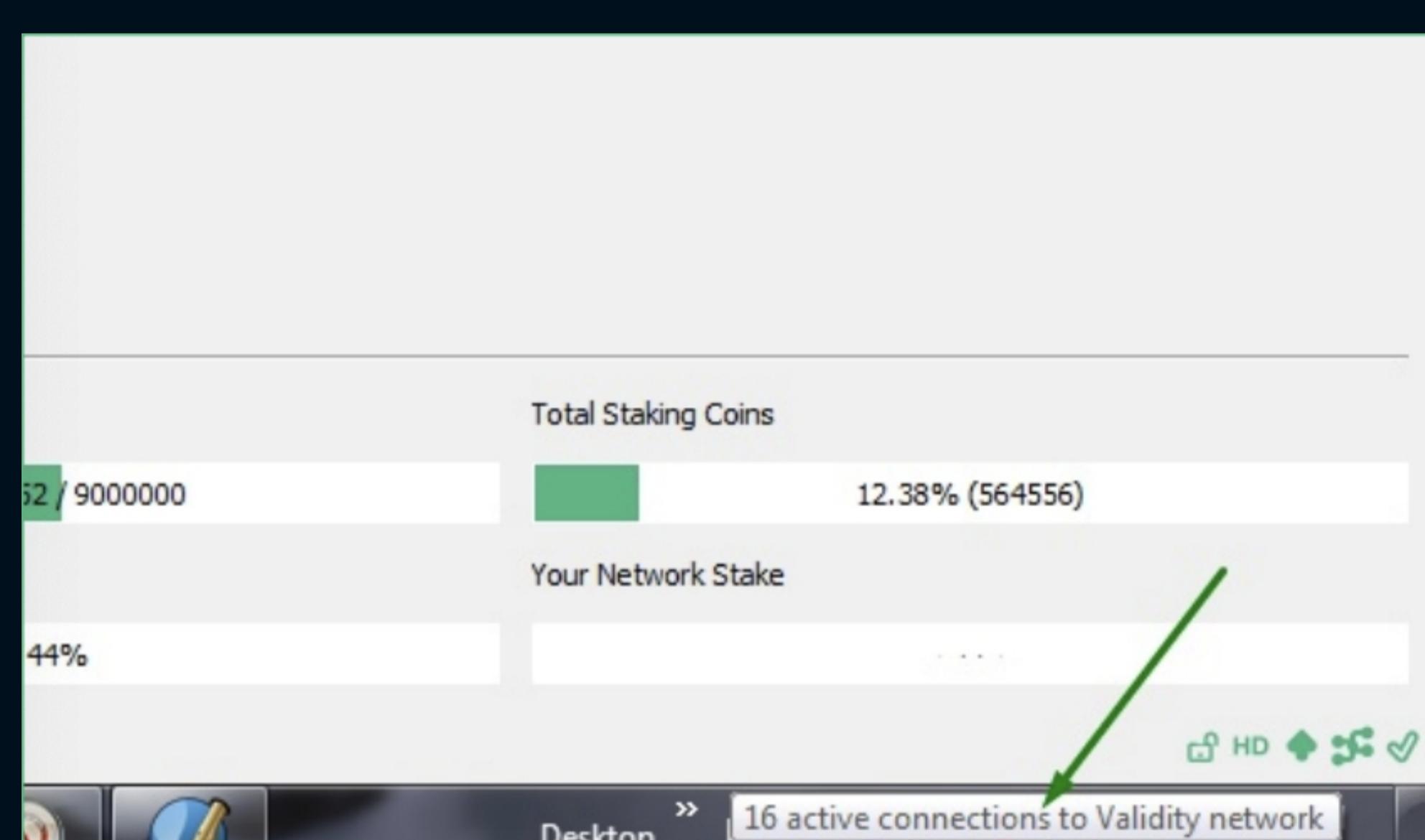


4. Staking your Validity (continued)

- Once confirmed move your mouse over the arrow symbol, again In the bottom corner of the wallet



- Last, make sure that you have adequate connections to the network by hovering over the signal strength bars.



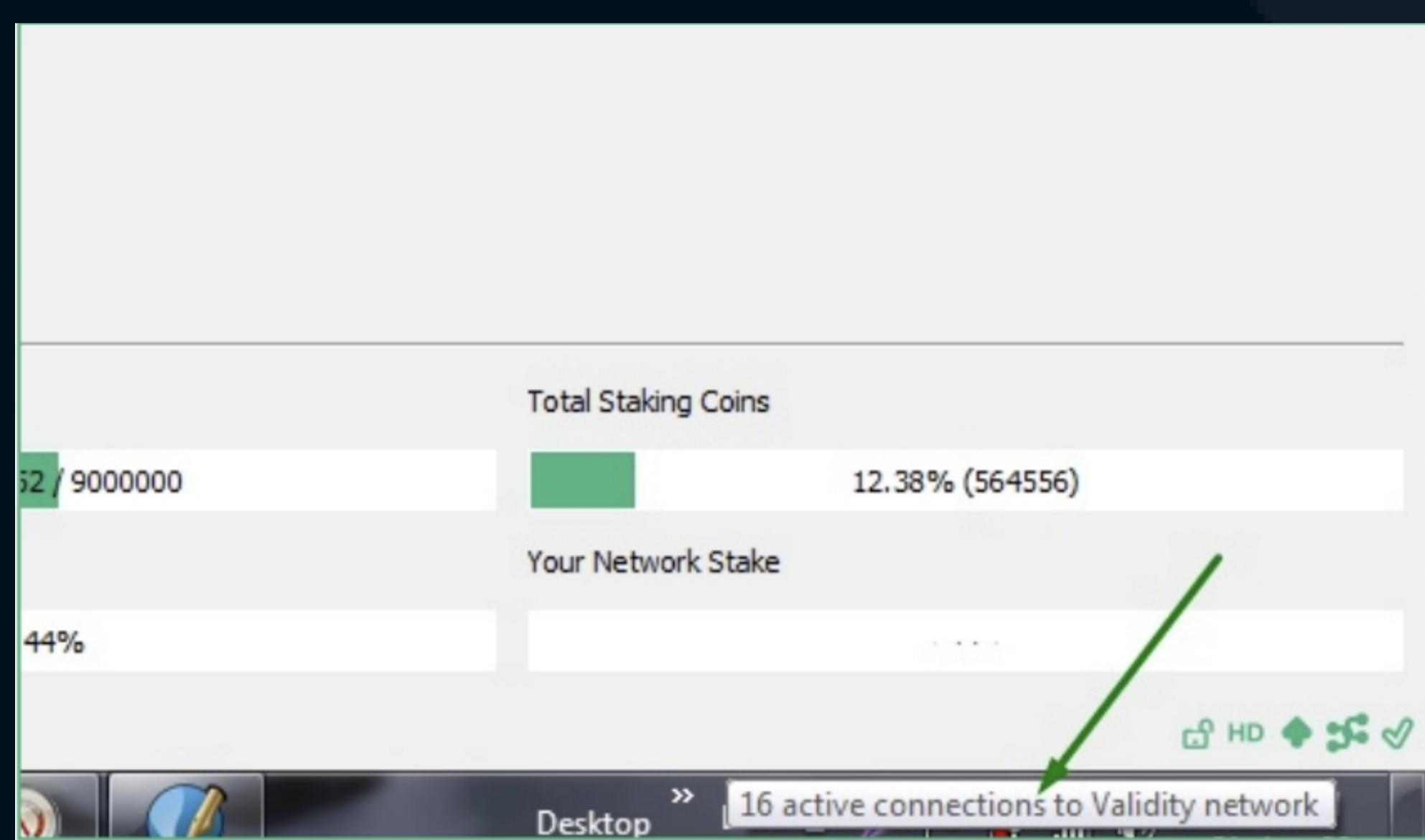
- If you only have 1 active connection to the Validity network, please see below regarding how to add additional peers, typically the process is automatic, but in certain instances may require manual intervention.



4. Staking your Validity (continued)

4.1 Adding Additional Validity Network Peers to your Wallet

Adding additional peers helps to improve synching and staking. Adding additional peers to your wallet is only necessary if the automated peer-discovery fails, which is rare. You can check to see how many peers you are connected to by hovering over the signal strength bars in the bottom corner of the wallet client.



For Windows

- Begin by closing your wallet
- Press the Windows Key +R to open the Run dialogue
- Type in %Appdata% and hit Enter
- A window will open and you should see a folder entitled “Validity”
- Double click to enter that folder

For Mac

- Go to <https://validitytech.com/validity.conf>
If it does not prompt you to download automatically, you will see a list of peers in your browser. Simply press CTRL + S to save the file.
- We will periodically update this downloadable peers file for your convenience
- Save/move the validity.conf file to your “Validity” folder from the previous step
- Open your wallet and check your connections again. You should be connected to several more peers now. Worth noting, you will most likely not connect to every peer on the list.



4. Staking your Validity (continued)

4.2 What exactly is staking?

The term staking represents the process of validating transactions on the Validity network in order to ensure that it is secure. In return for work, stakers are rewarded with newly generated Validity coins.

Staking is similar to the lottery. The more tickets you have, the better your odds. The same goes for staking - the more coins you have, the better your chances are that you will find a new block and earn a reward. Every time you earn a reward, that reward will be added to the coins you already have in your wallet.

As time goes on, you will earn more rewards and you will earn them quicker due to your staking allocation increasing. This is commonly referred to as compounded interest.

4.3 How much can you earn with staking?

As previously mentioned, the more coins you have the better your chances are that you will earn a reward in a short period of time.

Check out one of our preferred partners Staking Rewards to calculate your potential rewards whilst staking your VAL.

www.stakingrewards.com/earn/validity

	Risk <small> ⓘ</small>	Complexity <small> ⓘ</small>	Reward <small> ⓘ</small>	Adj. Reward <small> ⓘ</small>	Minimum <small> ⓘ</small>	Lock Up <small> ⓘ</small>
Stake Validity	stable	easy	50.81%	43.1%	4	-

At the time of writing, staking difficulty is low and the reward rate is high. This means that there are only a few active stakers on the network. This number fluctuates as stakers shift their allocations, or if their wallets are shut down/ turned on. The minimum VAL to stake is currently set at 4.



4. Staking your Validity (continued)

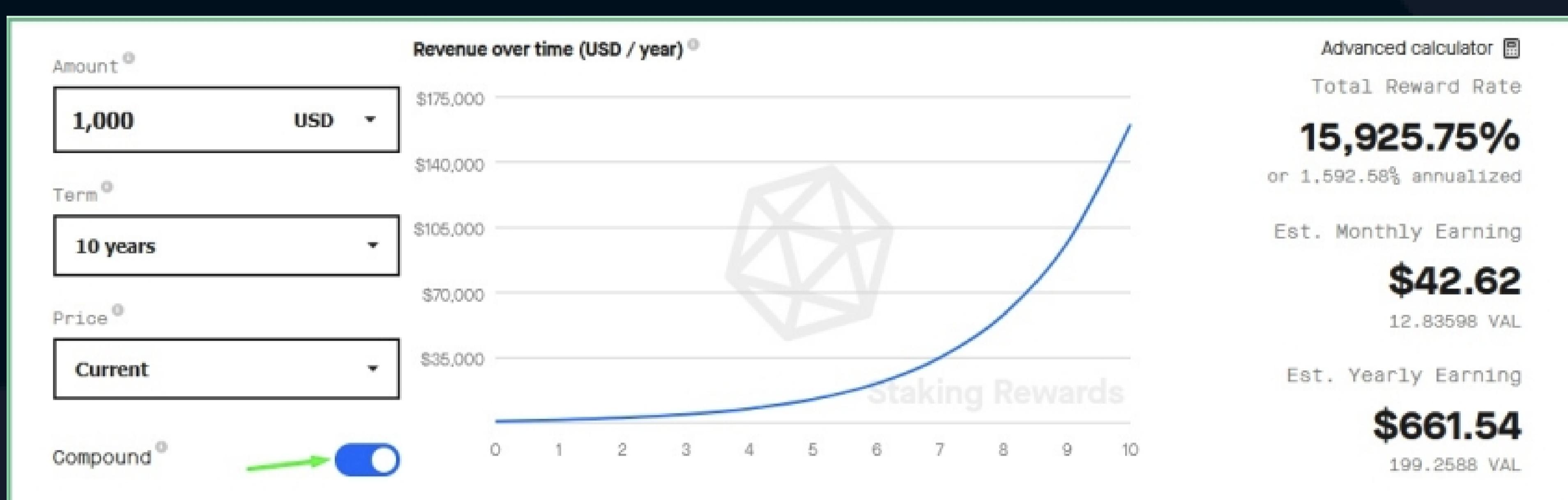
4.3 How much can you earn with staking? (Continued)

As previously mentioned, the more coins you have the better your chances are that you will earn a reward in a short period of time.

Check out one of our preferred partners Staking Rewards to calculate your potential rewards whilst staking your VAL.

Also worth noting is that there is no lock up period with VAL. You can either be staking or not, and you can move your allocation as desired at any time. If you do however find a reward, the VAL used to calculate the block will need to be reconfirmed on the network as part of the reward confirmation which only takes a few minutes.

You can also calculate your “Revenue Over Time” via Staking Rewards. Enter your current VAL, the term, the price, and select compounding. This will give you a good idea of how much you could earn staking VAL over time.



To get the highest possible rewards, please make sure you stay online 24/7/365 days a year, and keep your wallet unlocked for staking only. This way you contribute to the networking and receive the highest possible reward rate.



5. Resyncing your Local Blockchain Data

5.1 For Windows

In case your local instance has become corrupted or you've missed a hardfork date etc. here is how to resync your local blockchain data:

- Please reference the previous sections “Creating a Backup of your wallet” And “Restoring a Backup”. First step is to always create a backup! Once that is complete, you may proceed with the following steps:
- Close your wallet if it is running
- Press the Windows Key +R to open the Run dialogue
- Type in %Appdata% and hit Enter
- A window will open and you should see a folder entitled “Validity”
- Rename this folder to “validity.bak”
- Open the Validity wallet again and let it sync fully. Once completed follow the instructions for restoring your wallet backup

5.2 For Mac

- Please reference the previous sections “Creating a Backup of your wallet” And “Restoring a Backup”. First step is to always create a backup! Once that is complete, you may proceed with the following steps:
- Close your wallet if it is running
- Search for the folder: ~/Library/Application Support/validity
- Rename this folder to “validity.bak”
- Open the Validity wallet again and let it sync fully. Once completed follow the instructions for restoring your wallet backup



6. Repairing a Corrupt Wallet

6.1 Correcting Improper Balance

IN THE EVENT THAT YOUR WALLET FILE IS DAMAGED

- As with anything to do with your wallet, make a backup first!
- Press the Windows Key +R to open the Run dialogue
- Enter “cmd” and press Enter
- A command prompt window will pop up
- Type “cd PATH-VALIDITY-EXE” (i.e. “cd C:\Users\John\Desktop”)
Tech tip: “cd” means Change Directory
- Once you are working within operating directory enter “WALLETNAME.exe-repairwallet” and hit Enter (i.e. “1.5.1.0.exe -repairwallet”)
- You may also run the “-checkwallet” parameter using the same steps in order to confirm the wallet is in proper working order
- Both the “check wallet” and “repair wallet” commands can be run from within the Validity Wallet Console via HELP > DEBUG WINDOW > CONSOLE

6.2 Last Resort Option

IN THE EVENT THAT YOUR WALLET FILE IS CORRUPTED. **IMPORTANT** : IF YOU TRY THIS AND YOUR WALLET IS NOT ACTUALLY CORRUPTED, YOU MAY END UP CORRUPTING IT! MAKE SURE YOU BACKUP YOUR WALLET FIRST!

- As with anything to do with your wallet, make a backup first!
- Press the Windows Key +R to open the Run dialogue
- Enter “cmd” and press Enter
- A command prompt window will pop up
- Type “cd PATH-VALIDITY-EXE” (i.e. “cd C:\Users\John\Desktop”)
- Once you are working within operating directory enter “WALLETNAME.exe-salvagewallet” and hit Enter (i.e. “1.5.1.0.exe -salvagewallet”)



VALIDITY

Staking Basic Installation & Setup Guide

We hope that this guide helps with any questions you may have, but if you have further queries do not hesitate to contact the Validity team via Twitter, Discord or Telegram. All contact details can be found at www.validitytech.com



English