



VALIDITY

BASIC INSTALLATION AND SETUP GUIDE

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1. DOWNLOADING THE VALIDITY WALLET

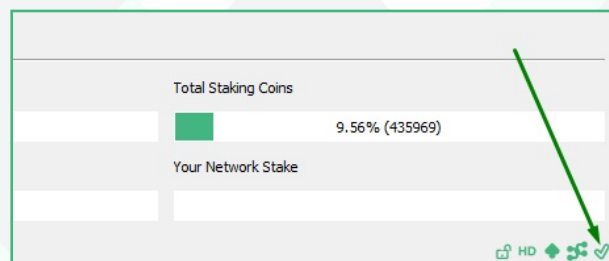
You can download the latest version of the Validity wallet from our official website here:

<https://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

1. Browse to the location of the downloaded wallet file and double-click either the EXE (Windows), DMG file (Mac) or a DEB file (Linux) depending on your operating system.
2. For Windows users, you may be prompted by Windows Firewall to allow the application to run and utilize your networks. You can safely Allow Access.
3. Your wallet will now begin to synchronize with the network. Please allow several hours for the process to complete.
4. Once fully synced, you will see the following ✓ 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.

1. Simply go to Settings (along the top navigation of the wallet).
2. Then click on Encrypt Wallet.
3. 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.

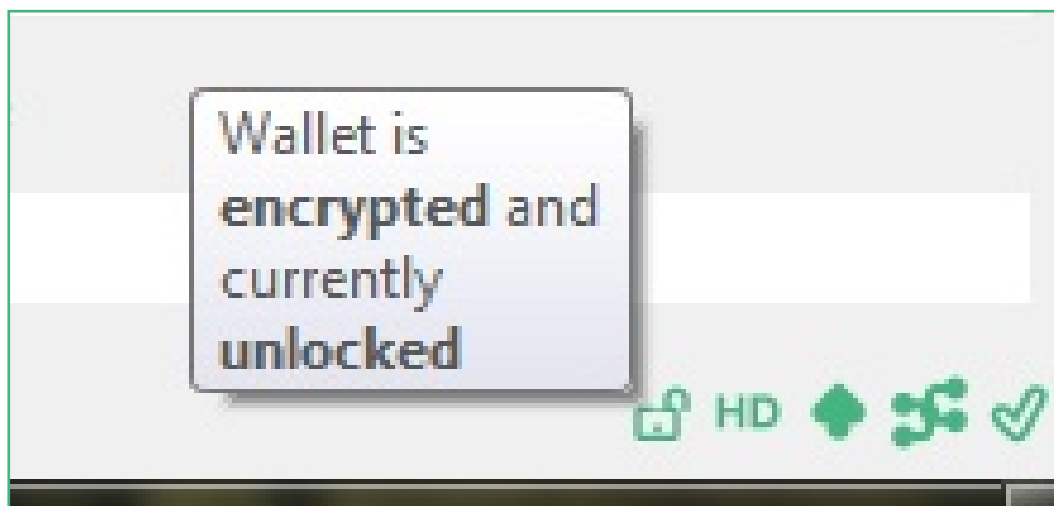
4. Once confirmed, any time you would like to SEND Validity and/or STAKE Validity, you will need to unlock your Wallet. See below.

2.1 UNLOCKING YOUR WALLET – REQUIRED FOR STAKING/SENDING VAL

Unlocking your wallet is required for both staking and sending VAL.

1. Simply go to Settings (along the top navigation of the wallet).
2. Then click Unlock Wallet. The following window will pop up:

(Image on the next page)



3. Enter your passphrase.
4. 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.
5. If you are interested in executing a transaction, you may leave that box unchecked, and proceed with fully unlocking your wallet.
6. Once you have executed your transaction, it is recommended that you re-lock your wallet.
7. If you restart your PC/laptop and you were staking, you need to unlock your wallet again to start staking. Same goes if you just shutdown the wallet, you need to unlock it.

2.2 CREATING A BACKUP OF YOUR WALLET

1. From the topmost navigation, select File.
2. Click on Backup Wallet.
3. Select a destination to save your wallet and save it.
4. 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 RESTORING A BACKUP – WINDOWS

1. Close your wallet if it is running.
2. Press the Windows Key +R to open the Run dialogue.
3. Type in %Appdata% and hit Enter.
4. A window will open, and you should see a folder entitled "validity."
5. Double click to enter that folder, and you will see a file called "wallet.dat"
6. Best practice is to rename this file to "wallet.dat.temp", just in case something goes wrong.
7. Copy over your backup wallet.dat file into the validity folder.
8. Open the Validity wallet, and you should see your restored credentials.
9. **MAKE SURE TO ALWAYS KEEP A BACKUP OF YOUR WALLET.DAT FILE!**

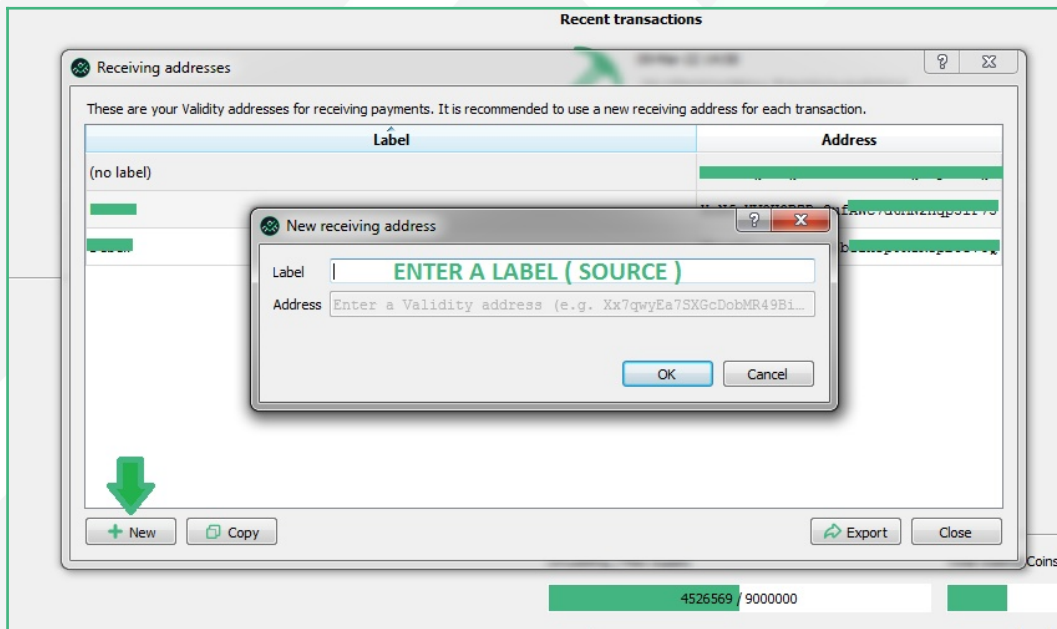
2.3.2 RESTORING A BACKUP – MAC

1. Close your wallet.
2. Search for the folder: ~/Library/Application Support/validity/
3. Remove the wallet.dat file from that folder.
4. Copy over your backup wallet.dat file into the validity folder.
5. Open the Validity wallet, and you should see your restored credentials.
6. **MAKE SURE TO ALWAYS KEEP A BACKUP OF YOUR WALLET.DAT FILE!**

3. CREATING A RECEIVING ADDRESS

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

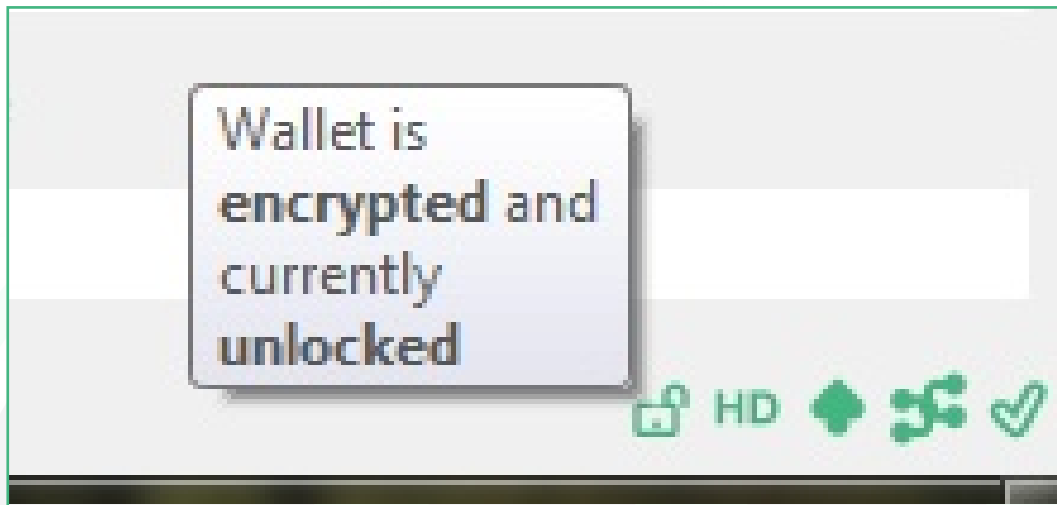
1. With your wallet open, select File from the top navigation.
2. Click "Receiving Addresses."
3. The "Receiving Addresses" window will, as per the image below.



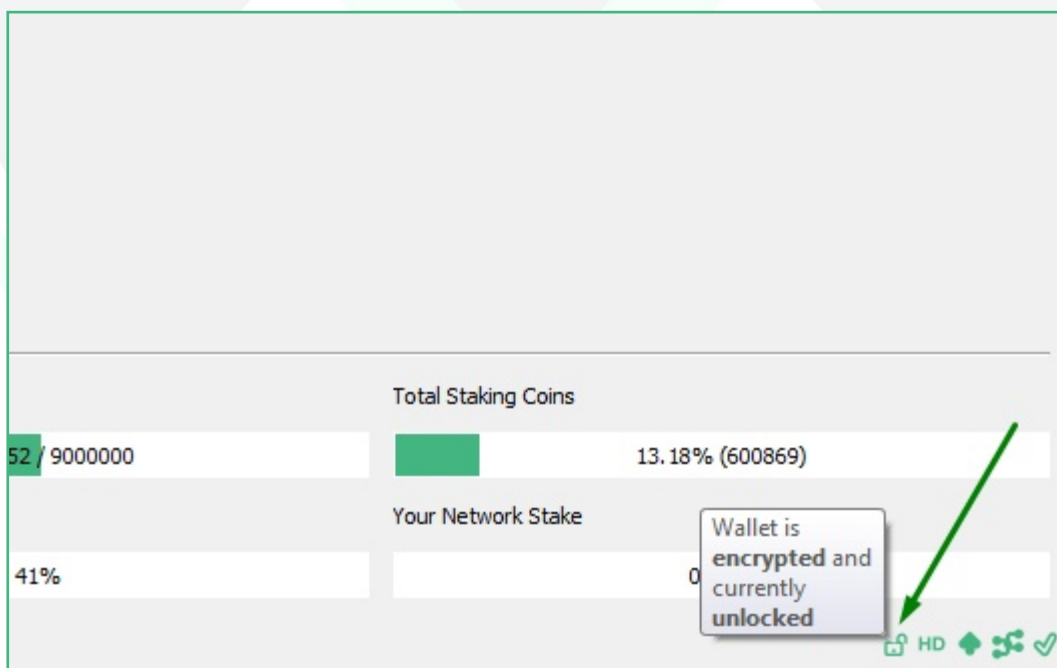
4. Select "+New" to create a new Receiving Address.
5. Another window will pop up prompting you to enter a Label. While this is not necessary, it does help to keep track of fund sources so we do recommend it.
6. And that's all there is to it! You've officially set up your very first VAL receiving address.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

4. STAKING YOUR VALIDITY

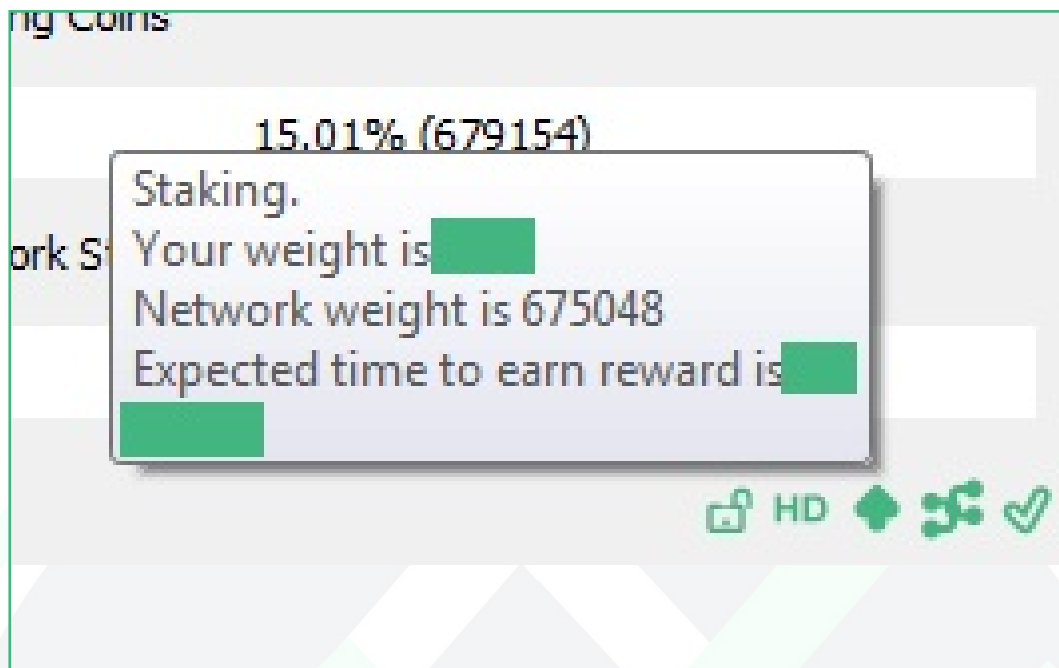
1. Open the Validity wallet if it is not already open.
2. Go to Settings (along the top navigation of the wallet).
3. Then click Unlock Wallet. The following window will pop up



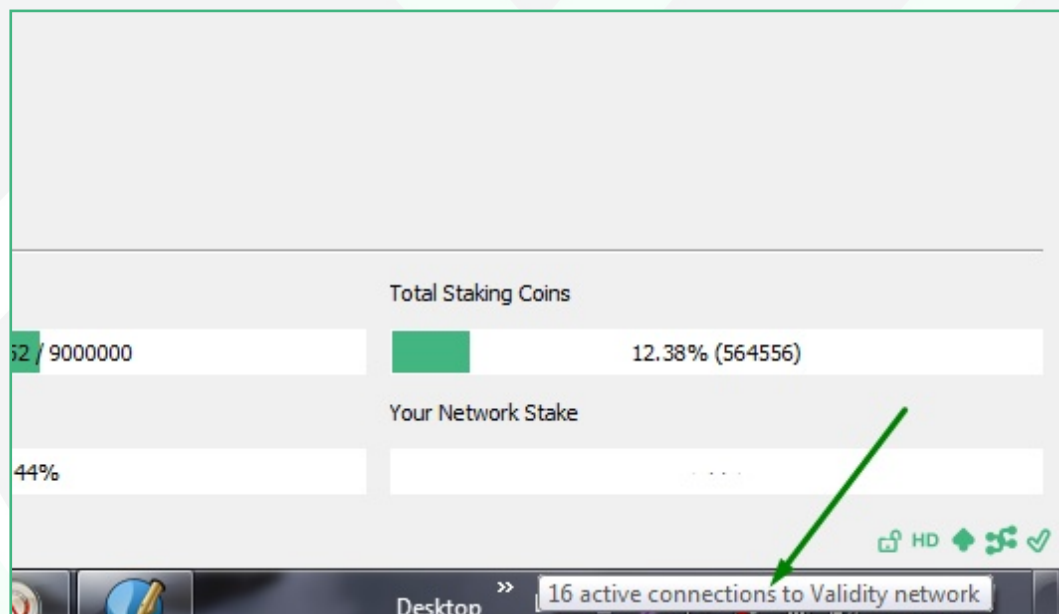
4. Enter your passphrase.
5. Check the box that states "For Staking Only." This will ensure that you can stake, but your VAL cannot be transferred.
6. Press OK.
7. To confirm that your wallet is staking correctly:
 - a. Make sure that if your wallet is encrypted, that you have it unlocked for Staking (as per above.) This can be confirmed by hovering over the lock symbol in the bottom left-hand corner of the wallet.



- b. Once confirmed, move your mouse over the arrow symbol, again in the bottom left-hand corner of the wallet.



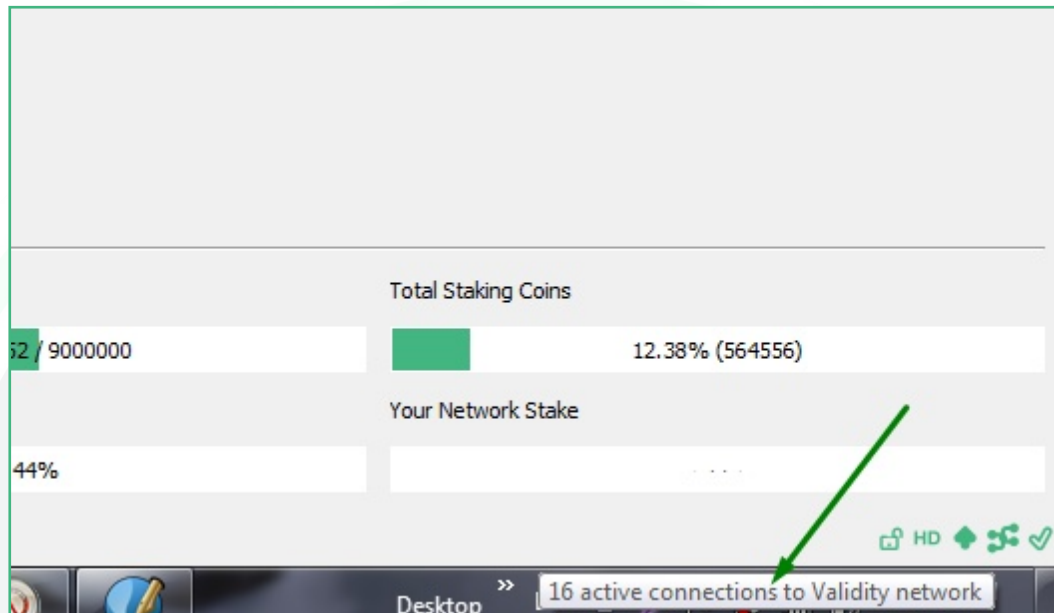
c. Last, make sure that you have adequate connections to the network by hovering over the signal strength bars.



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.

4.1 ADDING ADDITIONAL VALIDITY NETWORK PEERS TO YOUR WALLET

Adding additional peers helps to improve syncing 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 left-hand corner of the wallet client.



1. Begin by closing your wallet.
2. Press the Windows Key +R to open the Run dialogue.
3. Type in %Appdata% and hit Enter.
4. A window will open, and you should see a folder entitled “validity.”
5. Double click to enter that folder.
 - a. **FOR MAC USERS:** Browse to ~/Library/Application Support/validity/
6. Click this link to download the latest peers file:
 - a. <https://validitytech.com/validity.conf>
If it does not prompt you to download automatically, you will see a list of the peers in your browser. Simply press CTRL + S to save the file.
 - b. We will periodically update this downloadable peers file for your convenience.
7. Save/Move the validity.conf file to your “validity” folder from step 6.
8. 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.

4.2 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 it was said in the last paragraph, 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 staking rewards whilst staking your VAL:

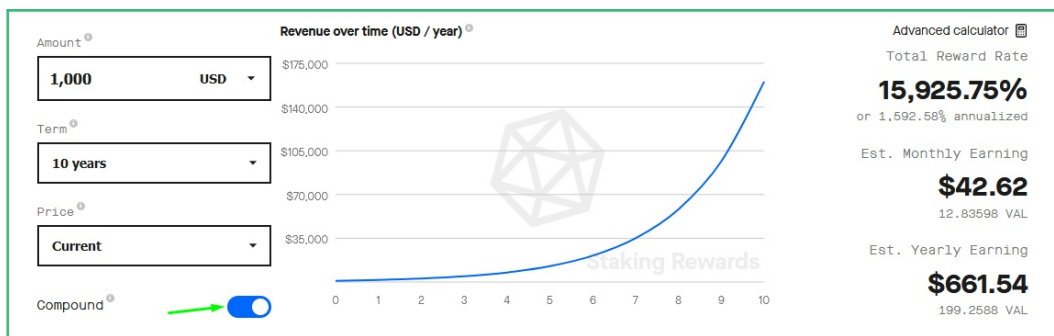
<https://www.stakingrewards.com/earn/validity/>

	Risk [ⓘ]	Complexity [ⓘ]	Reward [ⓘ]	Adj. Reward [ⓘ]	Minimum [ⓘ]	Lock Up [ⓘ]
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. Mind you, this number fluctuates as stakers shift their allocations or if their wallets are shut down/turned on. The min VAL to stake is currently set at 4.

Worth noting, there is no LOCK UP period with VAL. You can either be staking or not and can move your allocation as desired, at any time. However, if you do find a reward, the VAL used to calculate the block will need to be reconfirmed on the network as part of the reward confirmation. This only takes a few minutes though.

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 to stay online 24/7/365 days a year, and keep the wallet unlocked for staking only. This way you contribute to the network and receive the highest possible reward rate.

5. RESYNCING YOUR LOCAL BLOCKCHAIN DATA

5.1 RESYNCING YOUR LOCAL BLOCKCHAIN DATA - WINDOWS

In case your local instance has become corrupted or you've missed a hardfork date, etc.

1. Please reference the sections 2.2 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.
2. Close your wallet if it is running.
3. Press the Windows Key +R to open the Run dialogue.
4. Type in %Appdata% and hit Enter.
5. A window will open and you should see a folder entitled "validity."
6. Rename this folder to "validity.bak"
7. Open the Validity wallet again and let it sync fully. Once completed, follow the instructions for restoring your wallet backup.

5.2 RESYNCING YOUR LOCAL BLOCKCHAIN DATA - MAC

In case your local instance has become corrupted or you've missed a hardfork date, etc.

1. Please reference the 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.
2. Close your wallet if it is running.
3. Search for the folder: ~/Library/Application Support/validity/
4. Rename this folder to "validity.bak"
5. 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

1. As with anything to do with your wallet, make a backup first!
2. Press the Windows Key + R to open the RUN dialogue.
3. Enter "cmd" and press Enter.
4. A command prompt window will pop up.
5. Type "cd PATH-VALIDITY-EXE", ie, "cd C:\Users\John\Desktop"
 - a. Tech Tip: "cd" means Change Directory
6. Once you are working within the operating directory, enter "WALLETNAME.exe –repairwallet" and hit Enter. For example, "1.5.1.0.exe –repairwallet"
7. You may also run the "-checkwallet" parameter using these same steps in order to confirm the wallet is in proper working order.
8. Furthermore, both the "checkwallet" and "repairwallet" 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 – NOTE: IF YOU TRY THIS AND YOUR WALLET IS NOT ACTUALLY CORRUPT, YOU MAY END UP CORRUPTING IT. MAKE SURE TO BACK UP YOUR WALLET FIRST!

1. As with anything to do with your wallet, make a backup first!
2. Press the Windows Key + R to open the RUN dialogue.
3. Enter "cmd" and press Enter.
4. A command prompt window will pop up.
5. Type "cd PATH-VALIDITY-EXE", ie, "cd C:\Users\John\Desktop"
 - a. Tech Tip: "cd" means Change Directory
6. Once you are working within the operating directory, enter "WALLETNAME.exe –salvagewallet" and hit Enter. For example, "1.5.1.0.exe –salvagewallet"