



Discord guide to:

## **QT Wallet v5 (Windows/Mac)**

Version 1.0

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## Introduction

Welcome to the LUX QT user guide for Windows and MAC. This guide contains instructions on:

- How to Backup / Restore your wallet
- How to Reset / Upgrade your wallet
- How to optimize your wallet for staking
- How to setup your wallet to enable trading (Cryptopia) straight from the wallet

To find out more about the new features in this release, please visit:

<https://luxcore.io/mercury/>

Disclaimer: When performed correctly, this should pose no risk to your virtual coins. Luxcore will not be responsible for any incorrectly performed actions or steps that may result in any losses of any kind.

Please refer Luxcore T&C here: [https://www.luxcore.io/files/Luxcore\\_TC.pdf](https://www.luxcore.io/files/Luxcore_TC.pdf)

## 1. How to backup wallet

We often see users not take the necessary precautions to protect their investment. This guide has been designed to help you create the necessary backups of your investment, and the necessary restore procedures.

If you need any assistance making a backup or restoring your backup, please visit us on Discord (<https://discord.gg/ddnUQAG>). We have moderators on 24/7 that will assist you.

Keep in mind, the screenshots might differ a little bit between operating systems.

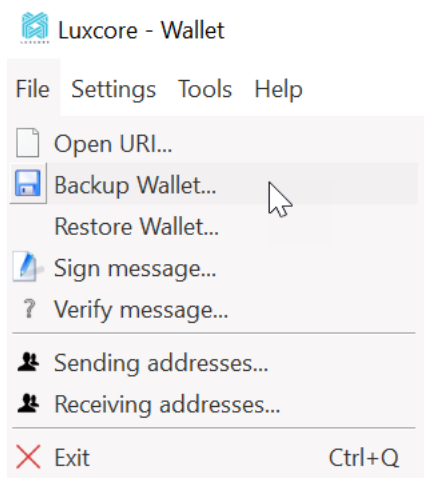
There are 2 ways to backup your wallet, and they complement each other.

1. Backup of the wallet.dat
2. Backup of your private key(s) offline/cold storage

We advise you to follow both backup procedures, to make sure you never lose access to your coins.

### 1.1 Method 1: Wallet.dat backup

Open your wallet and select file -> backup wallet

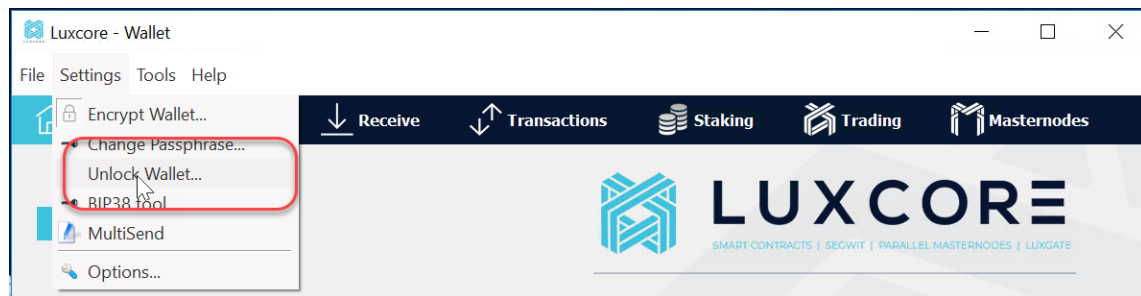


Save your backup wallet.dat to a location on your computer and then move it to (for example) a USB stick. If your wallet is not encrypted, you need to be very careful with your wallet.dat (offline storage is advised).

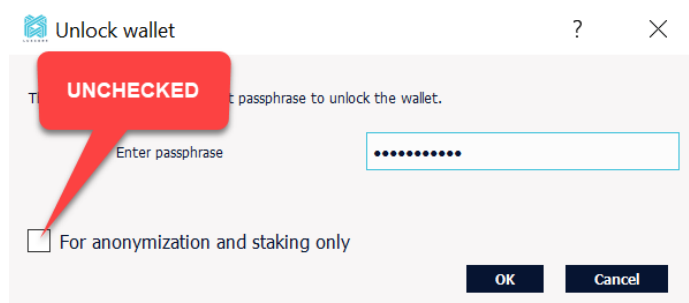
## 1.2 Method 2: Export the private key(s)

**NEVER EXPOSE YOUR PRIVATE KEYS TO ANYONE !**

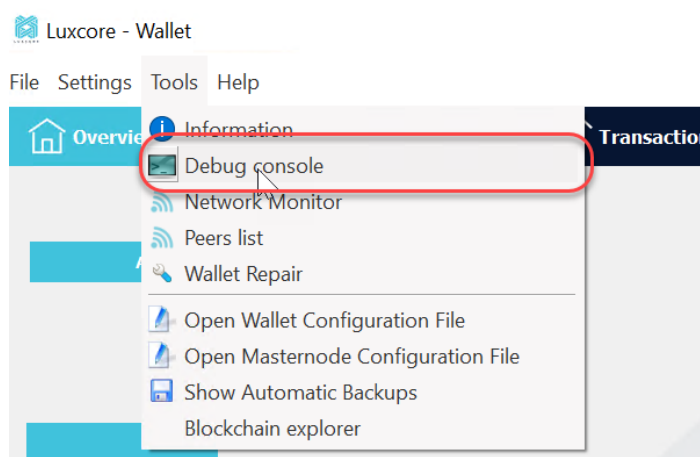
- Open the QT wallet and unlock



- Make sure you do a full unlock



- Now open the debug console



- Type listaddressgroupings and press <enter>, this will list all wallet addresses

```
Tools window
Information Console Network Traffic Peers Wallet Repair

21:44:45 ↑ Welcome to the LUX RPC console.
          Use up and down arrows to navigate history, and Ctrl-L to clear screen.
          Type help for an overview of available commands.

22:32:05 ↓ listaddressgroupings
22:32:05 ↑ [
            [
              [
                "LN8ZCmo9FtivBd",
                0.00125932
              ],
              [
                "LNxA2A7TWd5c5q",
                0.00516496,
                "Mining"
              ],
              [
                "LTI5sqrLioeZPKD",
                0.00000000,
                ""
              ]
            ]
          ]
```

- Now extract the private key of each address that you want to migrate using the following command. (If the wallet is not in sync you will not see any balance but you can export all the keys)

dumpprivkey address

```
22:34:23 ↓ dumpprivkey LN8ZCmo9FtivBd
22:34:23 ↑ PyVDTMiPSFMh4SgpS3bn9fne5
```

- To be clear, this private key gives access to your coins without any password or other failsafe. You **NEED** to keep this 100% secure. For example, put them on a paper/usbstick and put them in a safe (possibly together with a guide for next of kin incase of an emergency).

## 2. Restore your QT wallet

Before we restore the wallet.dat or private key, install/upgrade the LUX QT and have it fully sync. For a install/upgrade guide, please visit our discord.

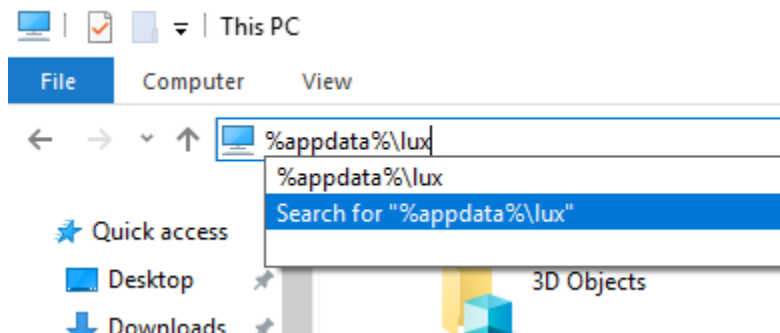
\*this guide assumes you have installed in the default data folder

### 2.1 Method 1: Restore your wallet.dat

Please close your QT wallet.

#### 2.1.1 Windows

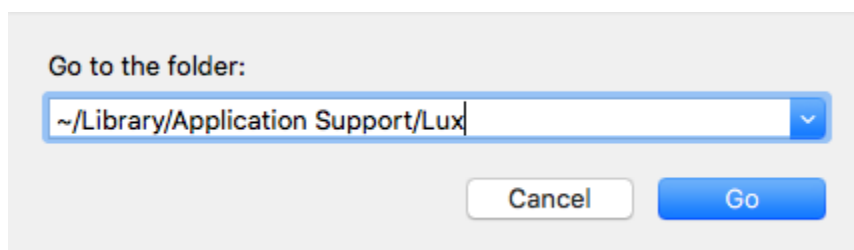
Open explorer and enter %appdata%\lux and press enter



Replace the wallet.dat with your backup. The name of the backup has to be "wallet.dat"

#### 2.1.2 MAC

Open finder and press Command + Shift + G , a "go to the folder" window appears, enter "~/Library/Application Support/Lux" and press enter.



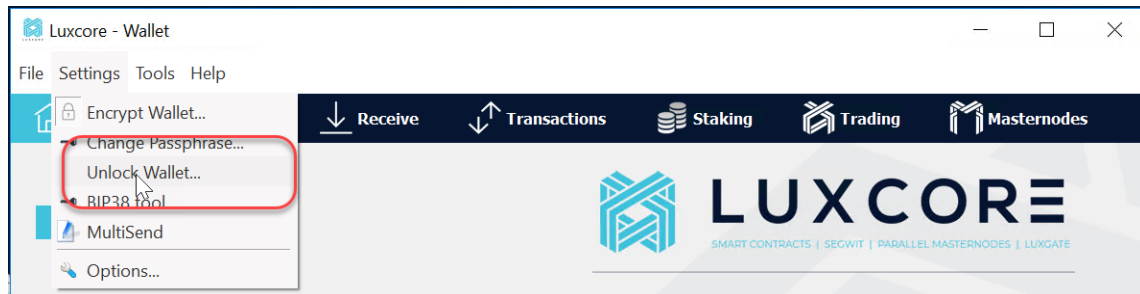
Replace the wallet.dat with your backup. The name of the backup has to be "wallet.dat"



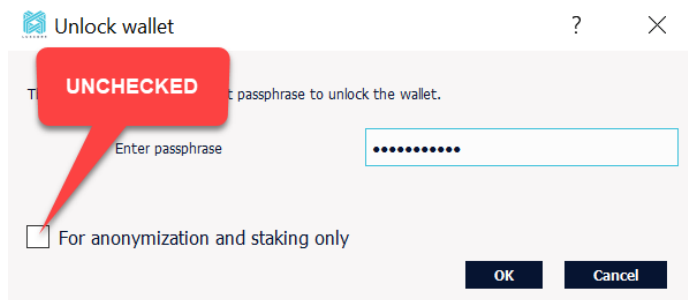
## 2.2 Method 2: Import private key

If you made a fresh wallet.dat to import your private key, we advise you to encrypt your wallet.dat first.

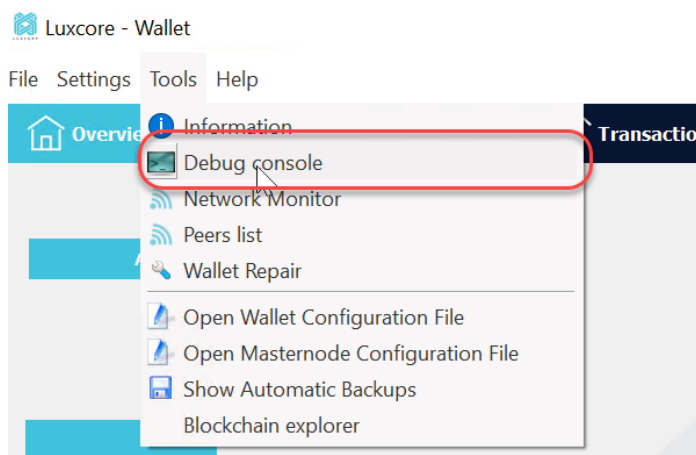
- Open the QT wallet and unlock



- Make sure you do a full unlock

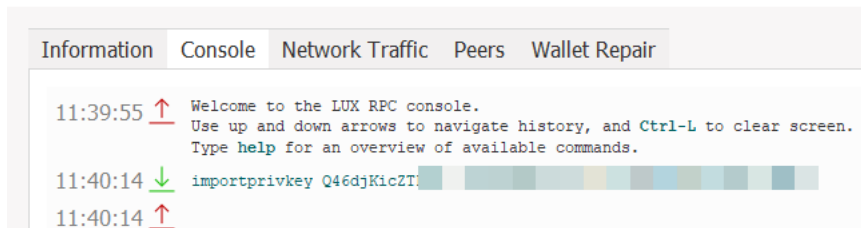


- Now open the debug console



- Import the private key

#### Tools window



The wallet will now rescan all the blockchain files for transactions, this may take a while. Repeat this process for all your private keys. They will now show up under file -> receiving address and the transactions and balance should be visible.

### 3. Reset/upgrade QT wallet

For a cryptocurrency with an ambitious roadmap like LUX mandatory wallet/blockchain upgrades are a common occurrence, they are required to implement new functionality to the network and therefore should always be kept up-to-date. This guide describes how to upgrade/reset your wallet.

When do you reset your wallet ?

- Wallet does not sync anymore (no block source available)
- Wallet does not receive or send a transaction from an exchange or pool
- When you upgrade your wallet
- When a mod on discord asks you 😊

**Before we continue, please be sure to read chapter 1 and confirm you have backups in place.**

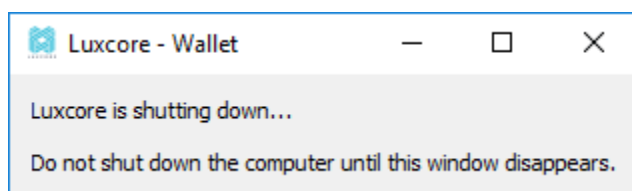
### 3.1 Windows

This guide describes how to upgrade/reset your Windows wallet, scroll down for the MAC guide.

#### 3.1.1 Close the QT wallet



Incase the wallet hangs on “Luxcore shutting down”:

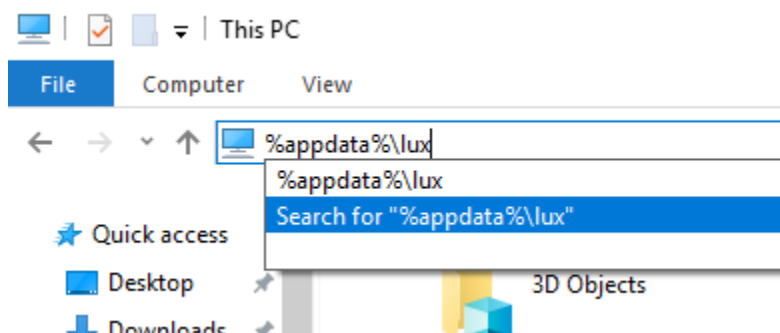


Please use task manager to end the task













#### 3.1.2 Clean up the LUX data folder

\*this guide assumes you have installed in the default data folder



Open explorer and enter %appdata%\lux and press enter



Select all files except the wallet.dat and backups folder (the backup folder is not present in v3 wallet directories).





Name	Date modified	Type	Size
 backups	07/04/2018 15:26	File folder	
 blocks	21/02/2018 09:35	File folder	
 chainstate	07/04/2018 15:26	File folder	
 .lock	21/02/2018 08:58	LOCK File	0 KB
 APIcache	04/04/2018 00:10	Text Document	1 KB
 db	21/02/2018 09:34	Text Document	1 KB
 debug	07/04/2018 15:27	Text Document	429 KB
 fee_estimates.dat	07/04/2018 15:27	DAT File	5 KB
 lux	21/02/2018 09:34	CONF File	1 KB
 masternode	21/02/2018 08:58	CONF File	1 KB
 peers.dat	07/04/2018 15:27	DAT File	3.053 KB
 wallet.dat	07/04/2018 15:27	DAT File	5.048 KB

Now delete the selected files, result:

Name	Date modified	Type	Size
 backups	07/04/2018 15:26	File folder	
 wallet.dat	07/04/2018 15:27	DAT File	5.048 KB

### 3.1.3 Download the blockchain

Download the following file: <http://luxcore.io/files/LUXblockChain.zip> and unpack the “blocks” and “chainstate” directory into the lux folder. The end result should look like this:

Name	Date modified	Type	Size
 backups	24/06/2018 23:48	File folder	
 blocks	25/06/2018 19:45	File folder	
 chainstate	25/06/2018 19:45	File folder	
 wallet.dat	24/06/2018 23:50	DAT File	648 KB

### 3.1.4 Download the latest v5 wallet

Open a browser and go to: <https://github.com/LUX-Core/lux/releases/latest> and download the latest lux-qt-wins.zip and unzip the lux-qt.exe somewhere convenient.

### 3.1.5 Start the wallet

Start the wallet, it will now start syncing from a recent state of the blockchain.



As we have placed a recent copy of the blockchain in the installation directory, the sync will be fast (few minutes).

### 3.1.6 Verify your wallet is synced properly

Mouse over the checkmark in the bottom right corner of your wallet



Compare the block number to the block explorer on <https://explorer.luxcore.io/>

#### Latest Blocks

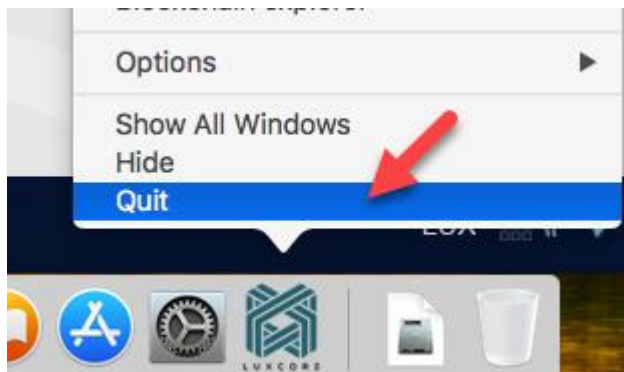
Block	Hash	Timestamp	Type
226403	d9965cbf2f0c56a2852f999d9843610599f549d45b7b08646793d05cabb4a3fd	Sat, 07 Apr 2018 13:43:03 GMT	PaS
226402	0000000000045a4345200530c708cc663c525211acbl6f6f35a5beb56ac8dl80	Sat, 07 Apr 2018 13:41:42 GMT	PoW
226401	000000000004f758651e6fdc148f4e8166ca2845fe0f57ecf92b928bld98aaba	Sat, 07 Apr 2018 13:40:03 GMT	PoW
226400	000000000000bea2b4d53e83abf6bfa463239ebf3f60cc4e3b53940bea96a48l	Sat, 07 Apr 2018 13:39:56 GMT	PoW
226399	e8ale6feb82885fe84lbc8e52b9c594286b9890a072b32f423c893alccc6fl77	Sat, 07 Apr 2018 13:38:41 GMT	PaS
226398	00000000000ld830eedl37c14bcaalf7ca53ccd4adfe8b9440d9b2d040477077	Sat, 07 Apr 2018 13:37:29 GMT	PoW
226397	9e8l3c04b8e8860344d664323l13e32fl96l2l7abf84db042d6l4e2dd260a4e5	Sat, 07 Apr 2018 13:31:19 GMT	PaS
226396	00000000000l924e5bcf2895ca8el880flb3b022d684cf0a3938b669a455a574	Sat, 07 Apr 2018 13:27:51 GMT	PoW

If those match up, your wallet is ready to go, please take the time to make a fresh backup using the file -> backup interface in the wallet gui.

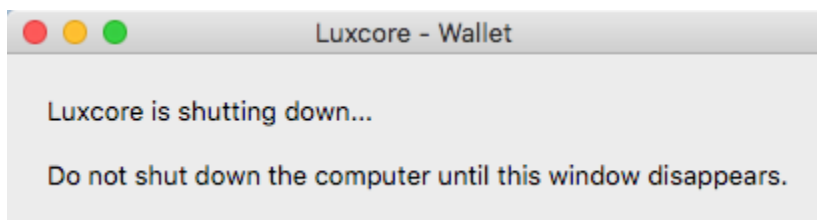
## 3.2 MAC

This guide describes how to upgrade/reset your Mac wallet, scroll up for the Windows guide.

### 3.2.1 Close the QT wallet



Incase the wallet hangs on “Luxcore shutting down ...”

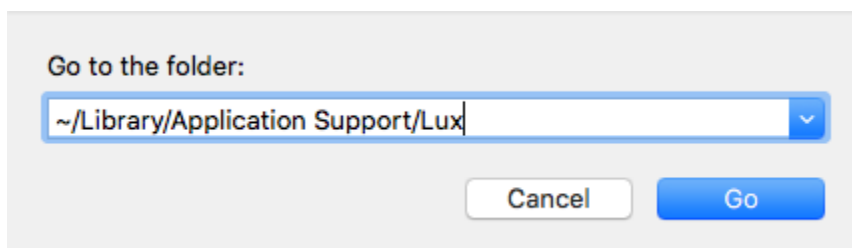


Please force close the wallet.

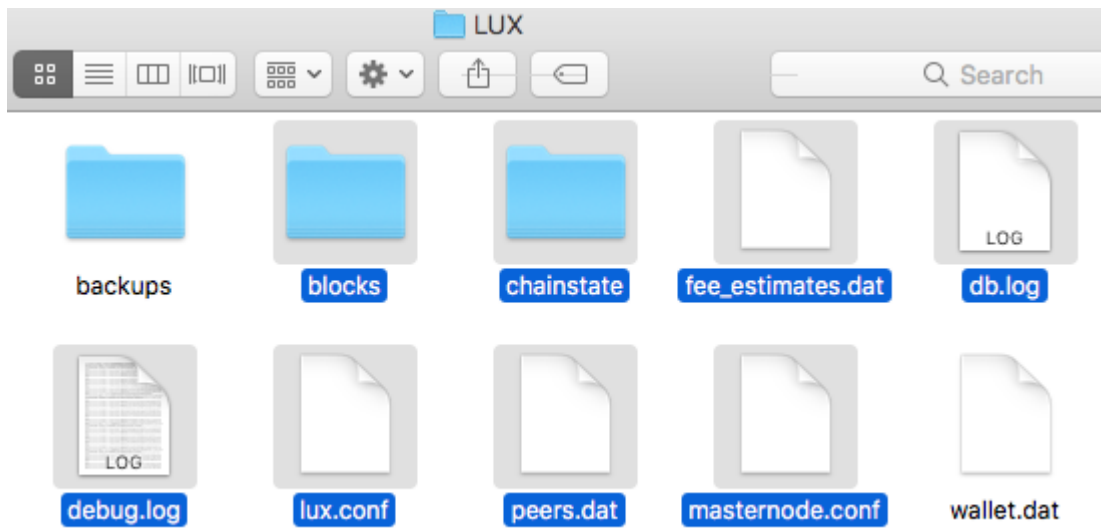
### 3.2.2 Clean up the LUX data folder

\*this guide assumes you have installed in the default data folder

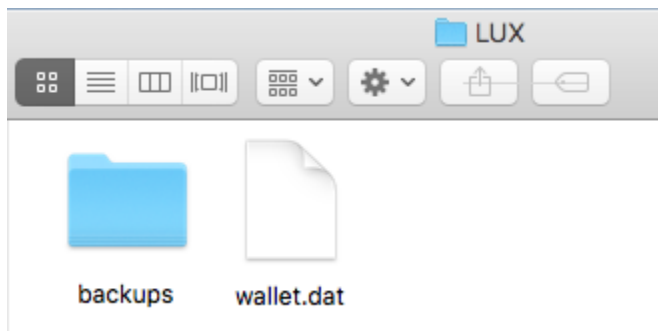
Open finder and press Command + Shift + G , a “go to the folder” windows appears, enter “~/Library/Application Support/Lux” and press enter.



Select all files except the wallet.dat and backups folder (the backup folder is not present in v3 wallet directories).

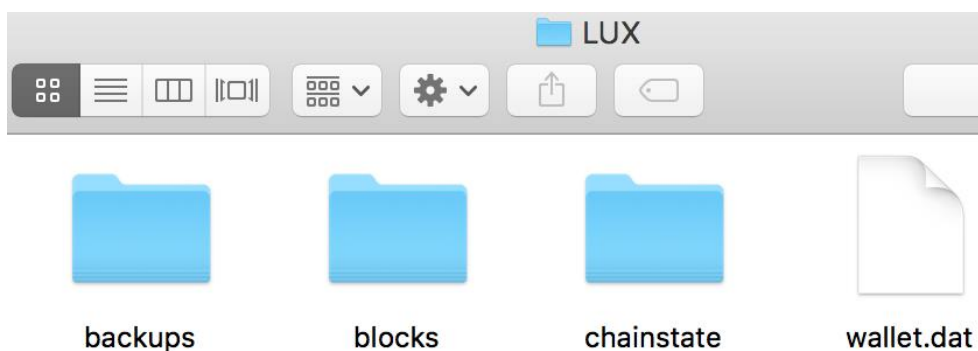


Now delete the selected files, result:



### 3.2.3 Download the blockchain

Download the following file: <http://luxcore.io/files/LUXblockChain.zip> and unpack the “blocks” and “chainstate” directory into the lux folder. The end result should look like this:





### 3.2.4 Download the latest v5 wallet

Open a browser and go to: <https://github.com/LUX-Core/lux/releases/latest> and download the latest LUX-Qt.dmg and install it.

### 3.2.5 Start the wallet

Start the wallet, it will now start syncing from a recent state of the blockchain.



As we have placed a recent copy of the blockchain in the installation directory, the sync will be fast (few minutes).


### 3.2.6 Verify your wallet is synced properly

Mouse over the checkmark in the bottom right corner of your wallet



Compare the block number to the block explorer on <https://explorer.luxcore.io/>

#### Latest Blocks



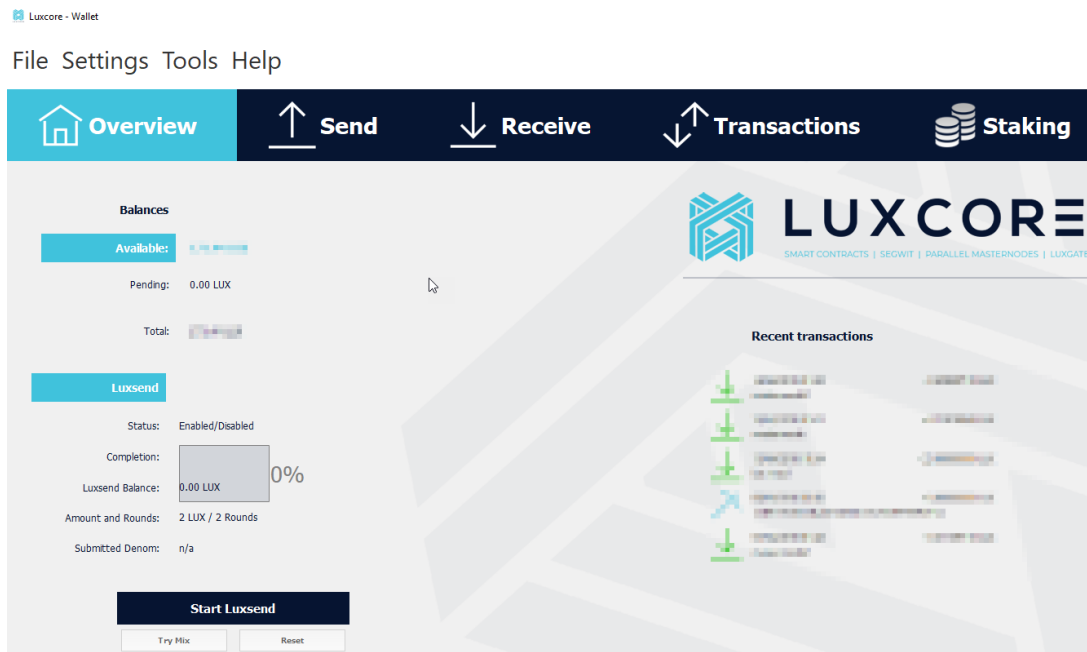
Block	Hash	Timestamp	Type
226403	d9965cbf2f0c56a2852f999d9843610599f549d45b7b08646793d05cabb4a3fd	Sat, 07 Apr 2018 13:43:03 GMT	PoS
226402	000000000045a4345200530c708cc663c525211acbl6f6f35a5beb56ac8d180	Sat, 07 Apr 2018 13:41:42 GMT	PoW
226401	00000000004f758651e6fcd148f4e8166ca2845fe0f57ecf92b928bld98aaba	Sat, 07 Apr 2018 13:40:03 GMT	PoW
226400	00000000000bea2b4d53e83abf6bfa463239ebf3f60cc4e3b53940bea96a481	Sat, 07 Apr 2018 13:39:56 GMT	PoW
226399	e8a1e6feb82885fe841bc8e52b9c594286b9890a072b32f423c893alccc6f177	Sat, 07 Apr 2018 13:38:41 GMT	PoS
226398	00000000001d830eed137c14bca1f7ca53ccd4adfe8b9440d9b2d040477077	Sat, 07 Apr 2018 13:37:29 GMT	PoW
226397	9e813c04b8e8860344d664323113e32f196127abf84db042d614e2dd260a4e5	Sat, 07 Apr 2018 13:31:19 GMT	PoS
226396	00000000001924e5bcf2895ca8e1880f1b3b022d684cf0a3938b669a455a574	Sat, 07 Apr 2018 13:27:51 GMT	PoW

If those match up, your wallet is ready to go, please take the time to make a fresh backup using the file -> backup interface in the wallet gui.

## 4 Optimize staking

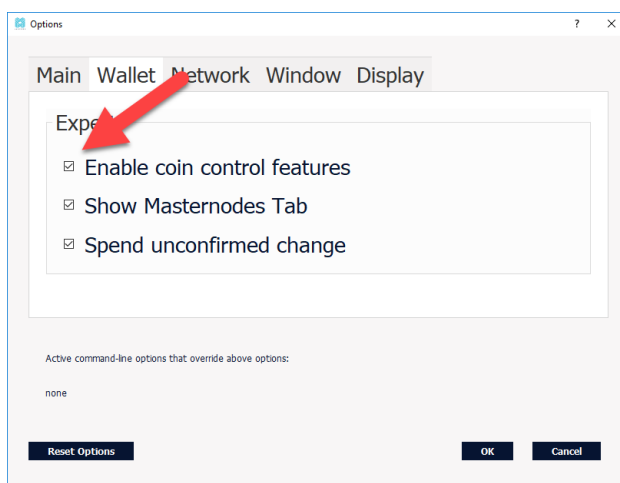
The guide explains how to optimize your wallet for staking. Keep in mind, this is not the magic bullet (the wallet will optimize staking automatically), but a guide to get it done quick and easy. This guide optimizes the inputs used for staking through the utxo feature.

### 4.1 Open QT wallet



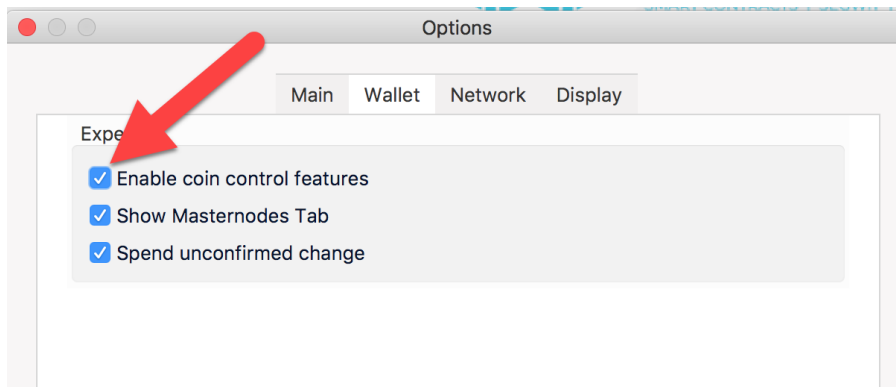
#### 4.2.1 Enable coin control (if not enabled) - Windows

Go to Settings -> Options -> Wallet

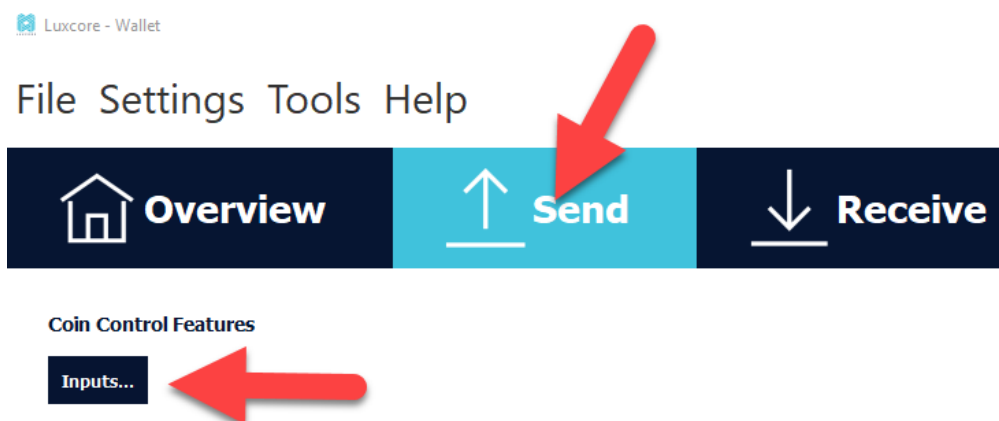


#### 4.2.2 Enable coin control (if not enabled) - Mac

Go to Luxcore -> Preferences -> Wallet

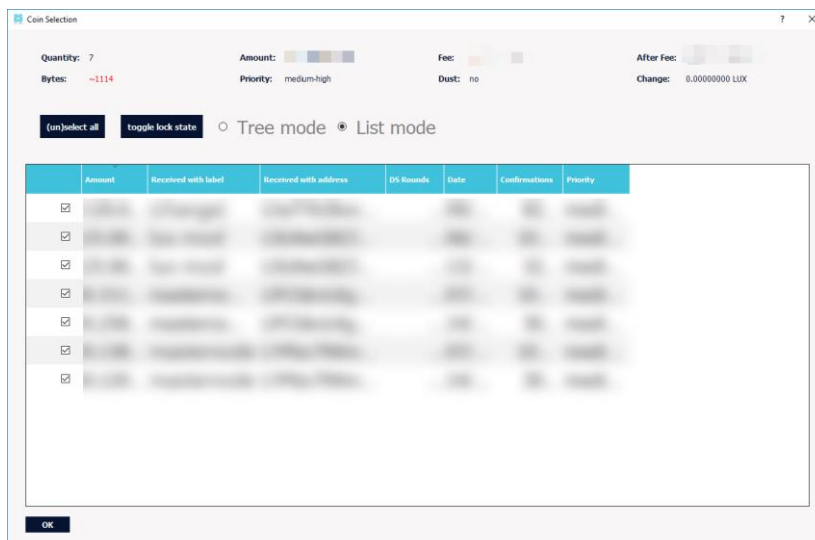


#### 4.3 Go to the “Send” tab and select “Inputs”



#### 4.4 Select the inputs you want to restructure for staking

Select all the coins here that you want to optimize and press ok.



## 4.5 Use UTXO to split the coins in chunks

In this example we will split 731.57 LUX into groups of approximately 100 coins. You want to be as close to 100 LUX chunks as possible, so we will split into 7 blocks of approximately 104.

Coin Control Features

**Inputs...**

Quantity: 5    Amount: 731.57010504 LUX    Fee: -0.00010221 LUX    **After Fee: ~731.57000283 LUX**    Number of blocks of ~100 LUX

Bytes: ~988    Priority: medium-high    Dust: no    Change: 0.00000000 LUX

☐ Custom change address    Enter a label    ☒ Split UTXO 7    UTXO Size: 104.50966377

Pay To:     Your wallet staking address, this can be an existing or a new address

Label: staking

Amount: 731.57000283    LUX    Chunk size

Use the "After Fee" amount

Make absolutely sure your destination address is correct, if you use labels it should automatically fill that field. After this press “send”, and confirm the fee. Your wallet will now do an internal transaction.

## 4.6 Verify inputs

Wait for 1 confirmation on the transaction, then click on “Inputs” again, it should look similar to this.

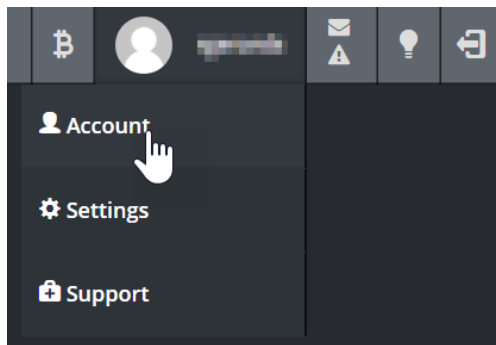
	Amount	Received with label	Received with address	DS Rounds	Date	Confirmations	Priority
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium
<input type="checkbox"/>	104.51000...	staking		n/a	4/16/18 ...	0	low-medium

Your coins will need 36h to mature again, but are now optimized for staking.

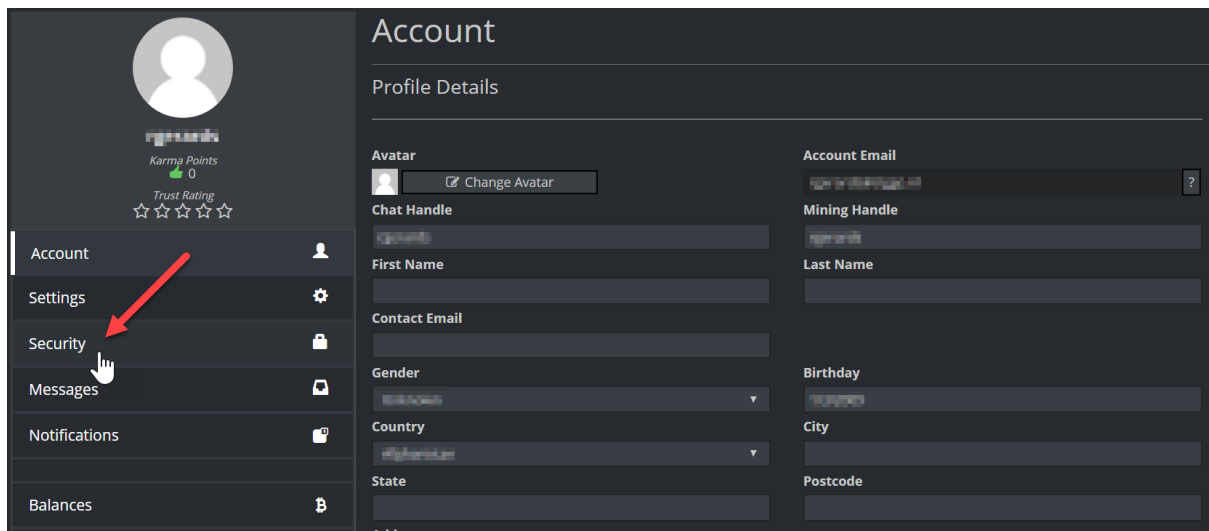
## 5 Configure Cryptopia trading tab

The LUX QT wallet features a trading tab, that shows the LUX<>BTC order book of Cryptopia. In this document we enable the LUX wallet to actively trade on the Cryptopia platform from inside the wallet !

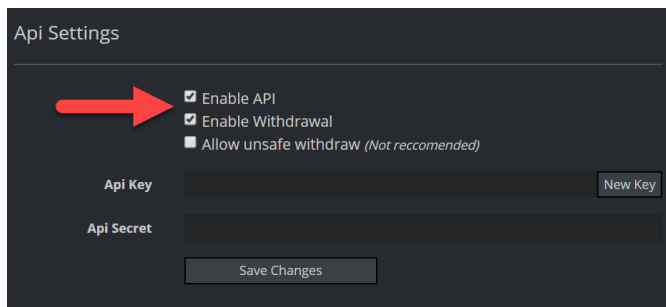
### 5.1 Login to Cryptopia and select your account



### 5.2 Select security



### 5.3 Enable API and Withdrawal



Api Settings

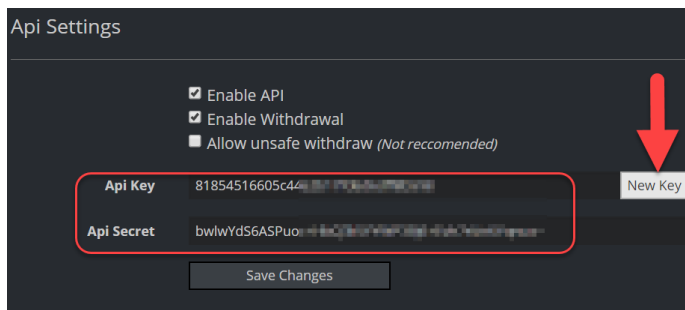
☒ Enable API  
☒ Enable Withdrawal  
☐ Allow unsafe withdraw (Not recommended)

Api Key  New Key

Api Secret

Save Changes

### 5.4 Generate new API Key and API Secret



Api Settings

☒ Enable API  
☒ Enable Withdrawal  
☐ Allow unsafe withdraw (Not recommended)

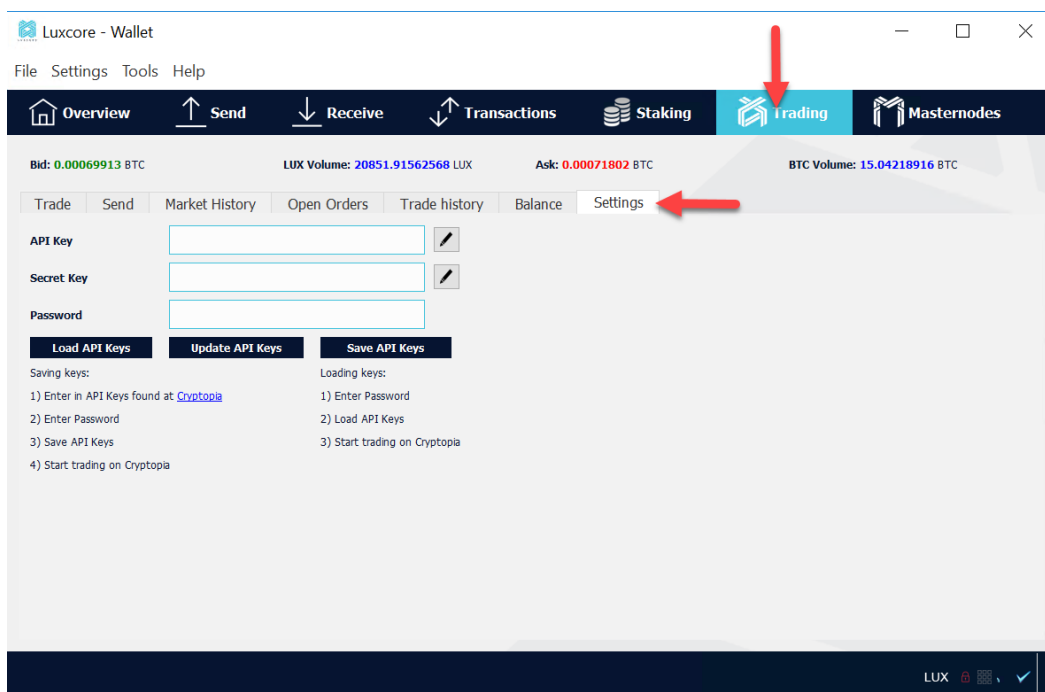
Api Key 81854516605c4... New Key

Api Secret bwlwYdS6ASPu...

Save Changes

DO NOT FORGET TO PRESS “SAVE CHANGES”

### 5.5 Open your QT wallet and select Trading settings



Luxcore - Wallet

File Settings Tools Help

Overview Send Receive Transactions Staking Trading Masternodes

Bid: 0.00069913 BTC LUX Volume: 20851.91562568 LUX Ask: 0.00071802 BTC BTC Volume: 15.04218916 BTC

Trade Send Market History Open Orders Trade history Balance Settings

API Key

Secret Key

Password



Load API Keys Update API Keys Save API Keys

Saving keys:  
1) Enter in API Keys found at [Cryptopia](#)  
2) Enter Password  
3) Save API Keys  
4) Start trading on Cryptopia

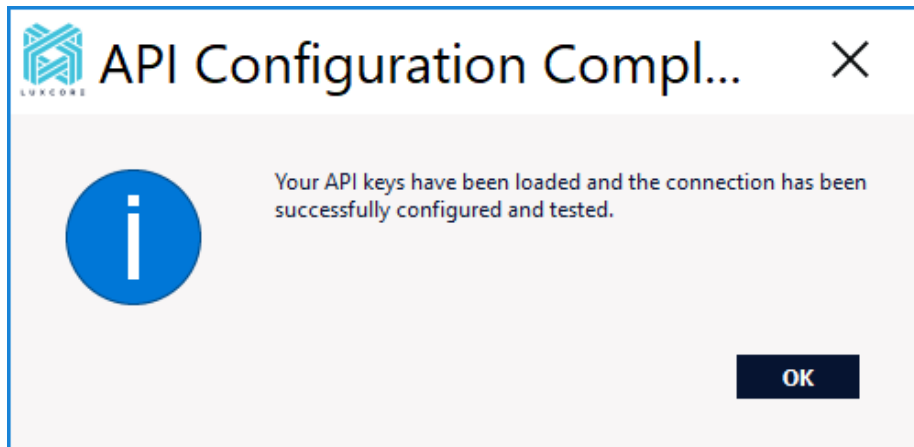
Loading keys:  
1) Enter Password  
2) Load API Keys  
3) Start trading on Cryptopia

LUX

## 5.6 Enter your Cryptopia details

API Key	<input type="text" value="81854516605c4"/>	
Secret Key	<input type="text" value="bwlwYdS6ASPuo"/>	
Password	<input type="text" value="yourcryptopiapassword"/>	
<div><button>Load API Keys</button><button>Update API Keys</button><button>Save API Keys</button></div>		

## 5.7 Save API Keys



Your wallet is now configured and the trading options are activated. Keep in mind this is **ALPHA** and at **YOUR OWN RISK**.

## Additional assistance:

Are you uncomfortable executing this guide on your own ?

Are you still experiencing issues after executing this guide ?

Do you have any other question regarding LUX ?

Please visit us on Discord: <https://discord.gg/ddnUQAG>