

## Blackcoin Obsidian Stealth Wallet Tutorial:

### **Step 1:**

Download the wallet from here: <https://github.com/obsidianorg/app/releases/tag/0.3.0>

You can always get the latest clients from here: <https://github.com/obsidianorg/app/tags>

The screenshot shows the GitHub repository page for `obsidianorg / app`. At the top, there are buttons for 'Watch' (1), 'Star' (2), and 'Fork' (2). Below the repository name, there are tabs for 'Releases' and 'Tags'. The 'Releases' tab is selected, showing the 'Latest release' section. The release is version 0.3.0, released on June 2, 2015, by user `jprichardson`. The release description states: 'This release includes the pseudonym registry. You can now register pseudonyms and give those other Obsidian users instead of your long stealth address.' There are two notes: 'Note: There's a bug that requires you to click the wrench icon on the bottom left and type in `localStorage.lastBlockCount = 710300` and then press `[ENTER]`. You must do this if you've downloaded a fresh copy or upgrading an older version. Restart Obsidian. You'll know that it worked if you go to the stealth address and instead of typing in a stealth address, type in `jprichardson`.' and 'Note 2: Linux build needs a little TLC, I'm skipping it for this release until I can test on Linux.' Below the notes is a 'Downloads' section with a table of download links and sizes.

Download Link	Size
<a href="#">obsidian-mac.zip</a>	42.5 MB
<a href="#">obsidian-win32.zip</a>	39.4 MB
<a href="#">Source code (zip)</a>	
<a href="#">Source code (tar.gz)</a>	

If you are using Windows, you need to download the Blackcoin client with the RPC fix too.  
<https://github.com/obsidianorg/app/releases/download/0.1.0/blackcoin-qt-win32-rpc-fix.zip>

Don't worry, the next official Blackcoin release will include the RPC fix, here are more infos on the (already fixed) issue: <https://github.com/rat4/blackcoin/issues/40>  
Follow Step 2 if you already used Blackcoin, and have a `wallet.dat`.

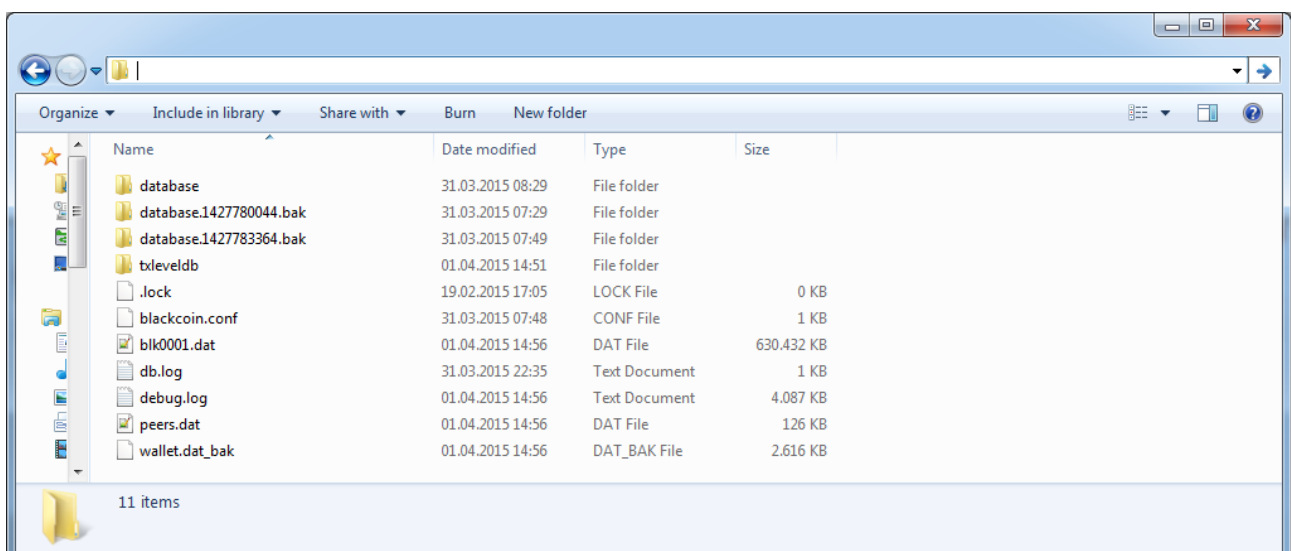
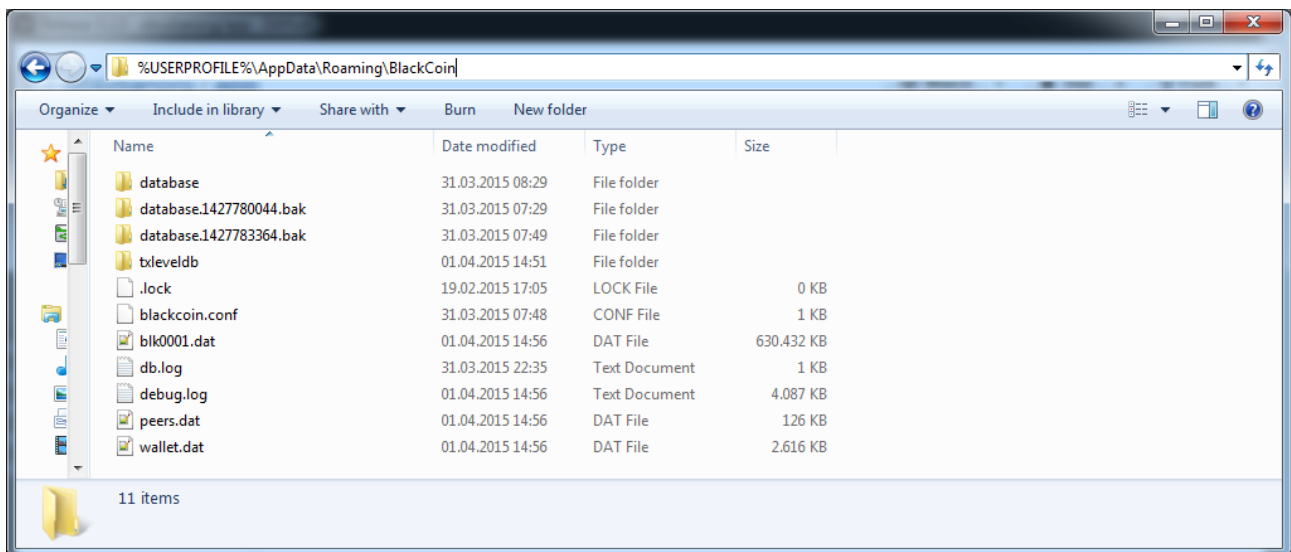
If you never used Blackcoin, download the latest client from <http://blackcoin.co>, and start it. Close it again (or let it finish loading the blockchain first, you need to download the full blockchain to send and receive BLK). Now you are ready to follow the next steps.

## Step 2:

Close your Blackcoin client, if it is running. Locate your wallet.dat, for Windows users the easiest way is to open a new explorer window, copy and paste the following line without quotes and hit enter.

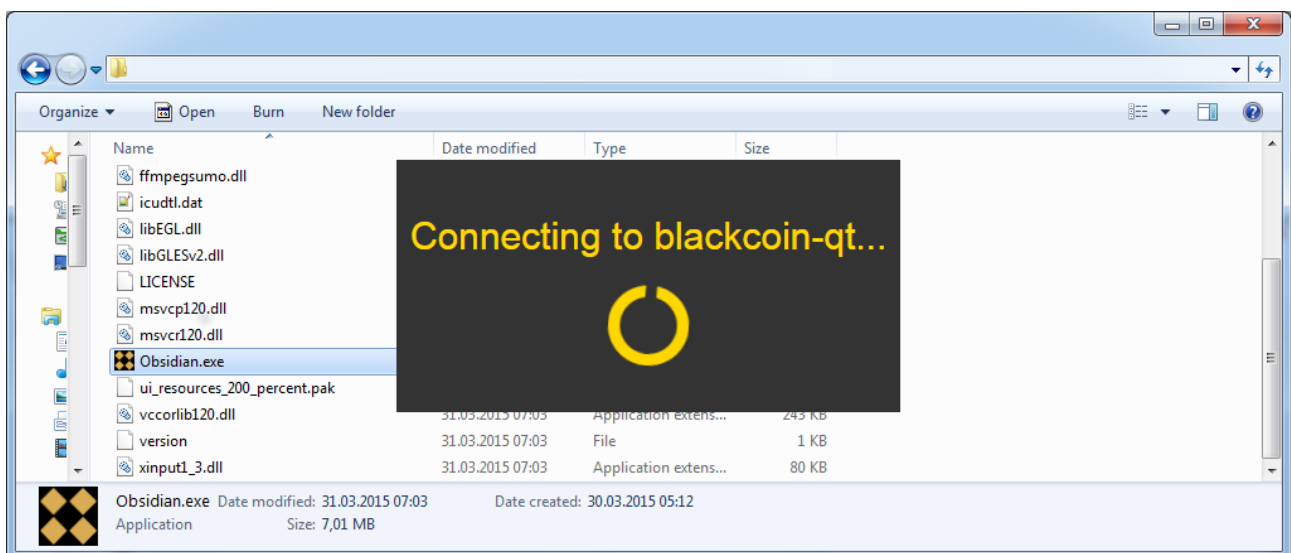
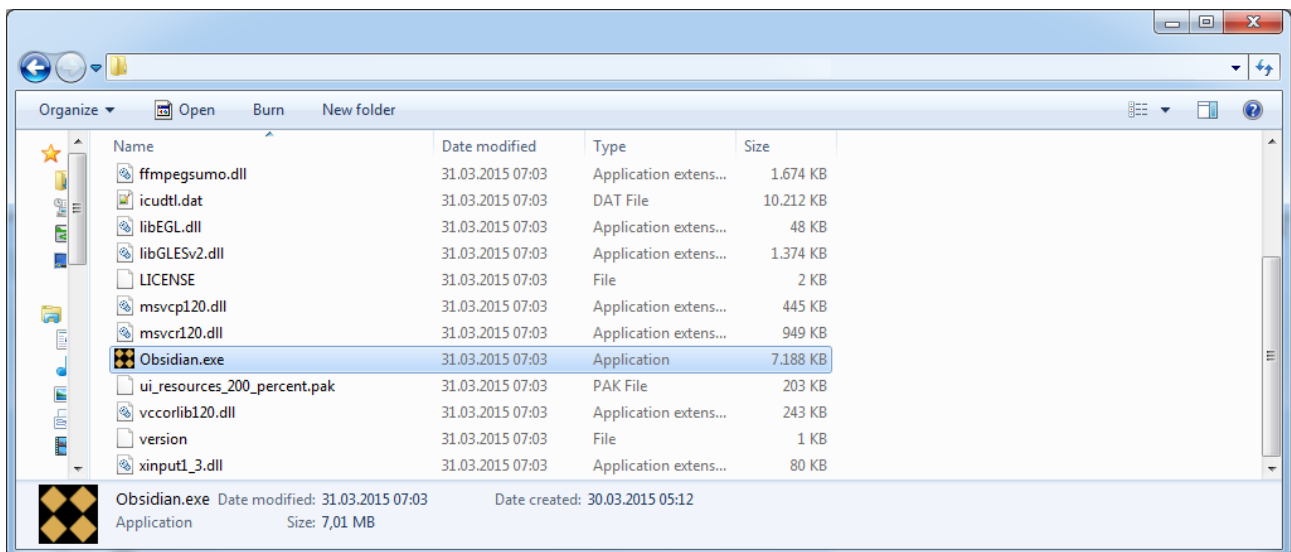
„%USERPROFILE%\AppData\Roaming\BlackCoin“

You should now see your wallet.dat. Now make a backup of your wallet.dat, better safe than sorry! Now rename your wallet.dat to wallet.dat\_bak (or any other name, just make sure you know this is your main wallet).



### Step 3:

Now start Obsidian, if it can't locate your blackcoin client, it will tell you so and you just need to point it to your Blackcoin Client. Now Obsidian will connect to blackcoin, create a new wallet.dat and the Blackcoin and Obsidian windows will open. In the Obsidian wallet window you will see „Receiver“ and „Amount“, to send any amount of BLK to a receiver with a stealth address. You can enter any registered pseudonym in the field „Receiver“. You can register your own pseudonym (for 100 BLK) and send payments to your own wallet or anybody else that has a obsidian pseudonym, that's what I am going to show you in the next steps.

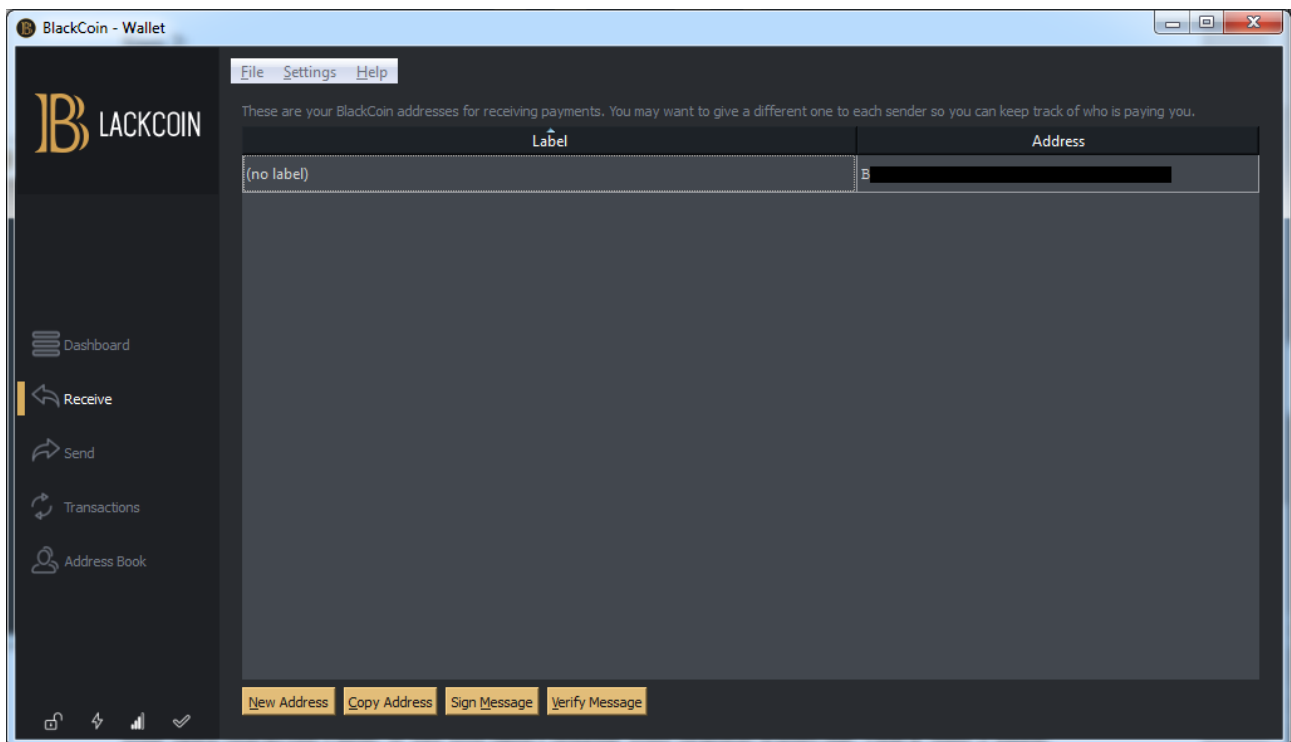




#### **Step 4:**

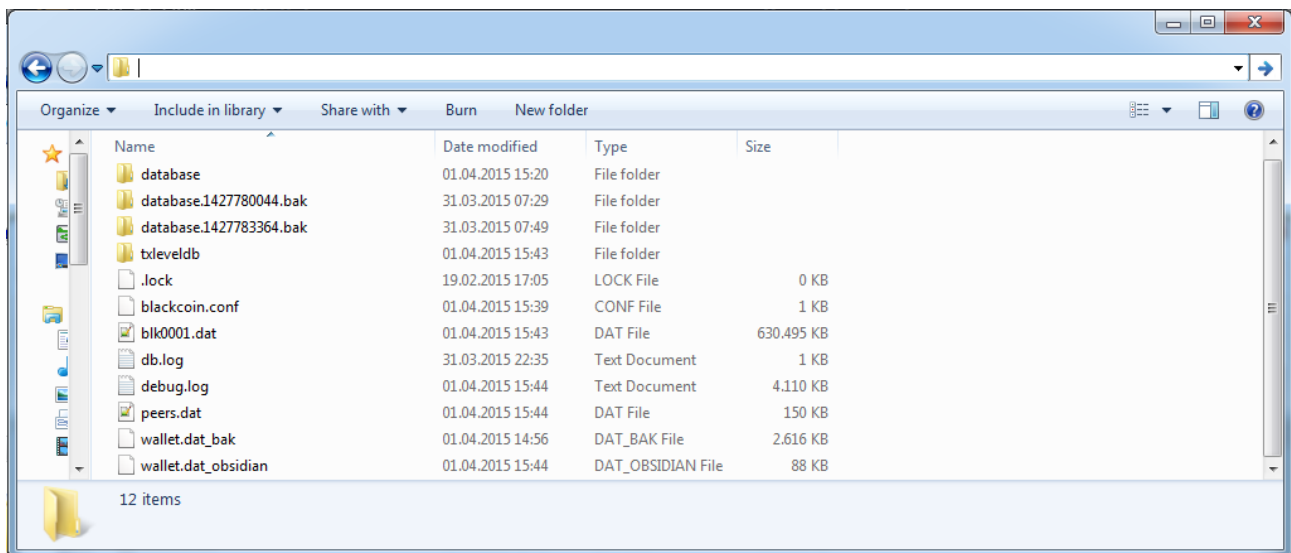
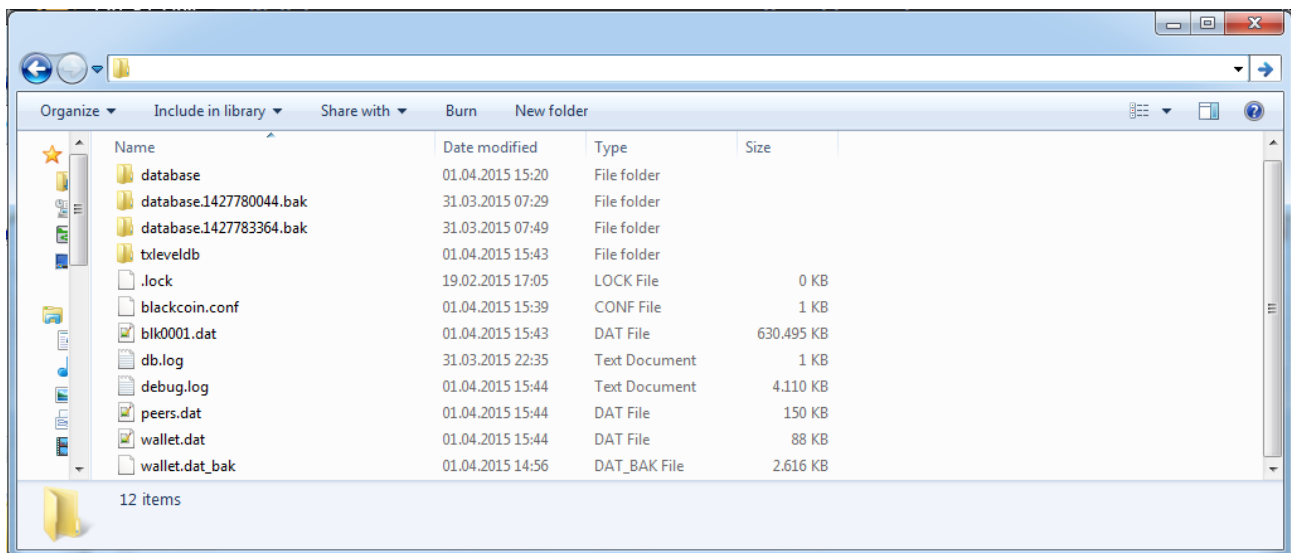
Check if you already have funds in your open blackcoin client, if yes you didn't rename your original wallet.dat, check Step 2 again.

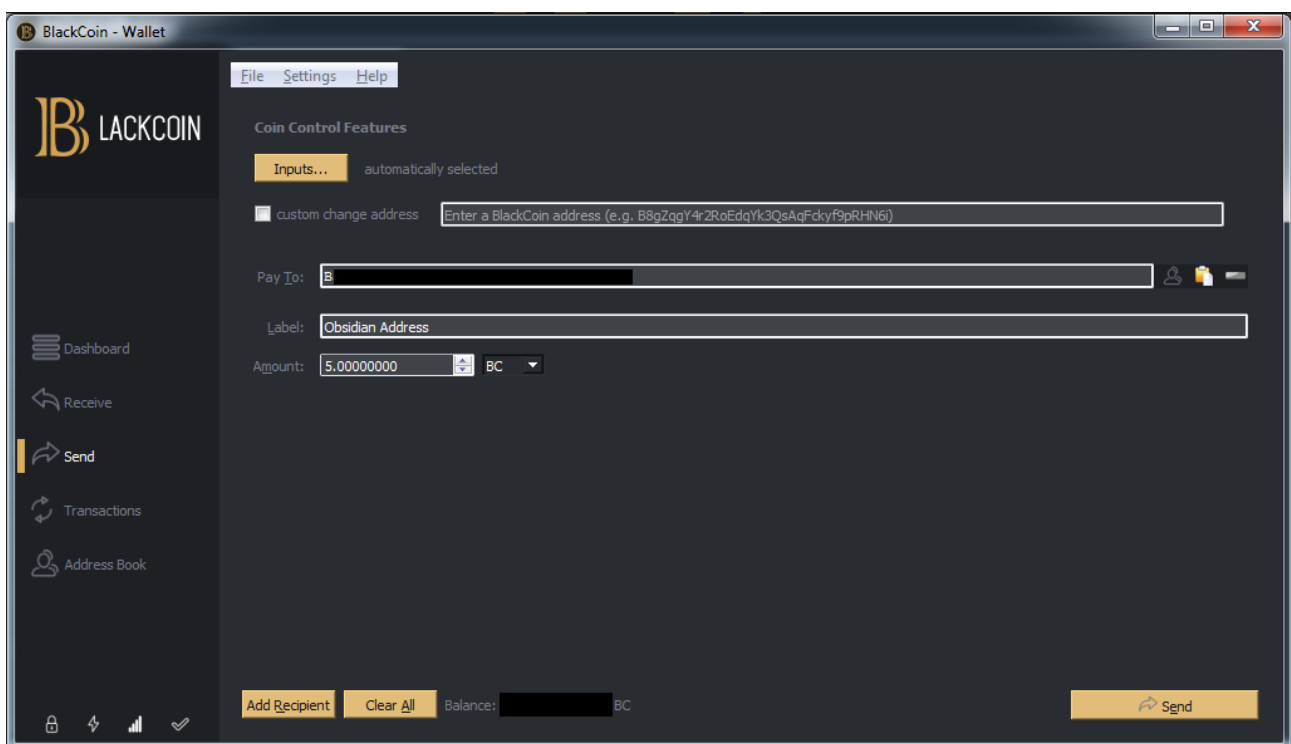
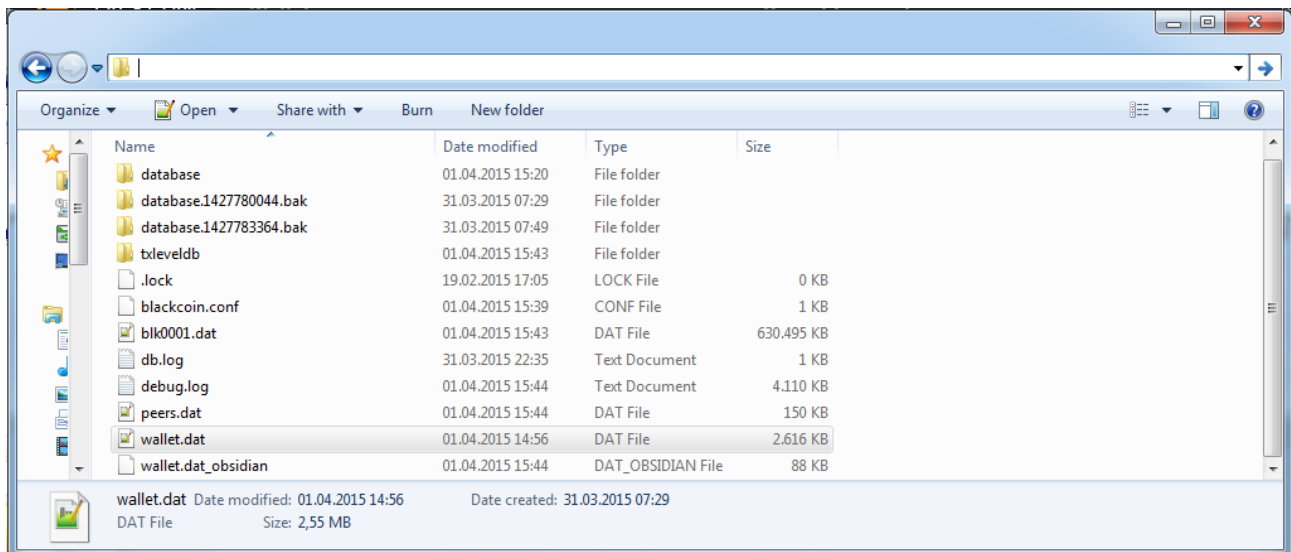
Now make a copy of one of your new receiving addresses in your open blackcoin window and save it in the txt file, you are going to send 100 BLK there in the next step! (Send a little more to cover transaction fees.)



### Step 5:

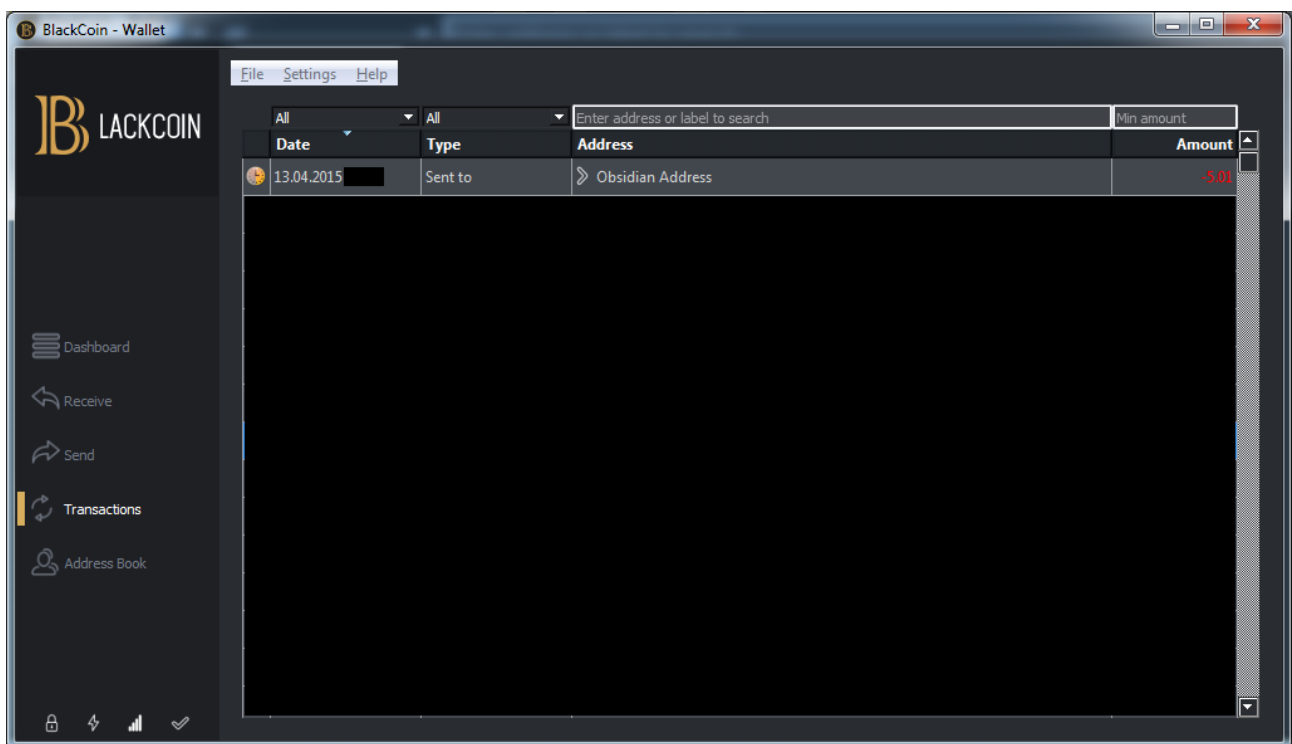
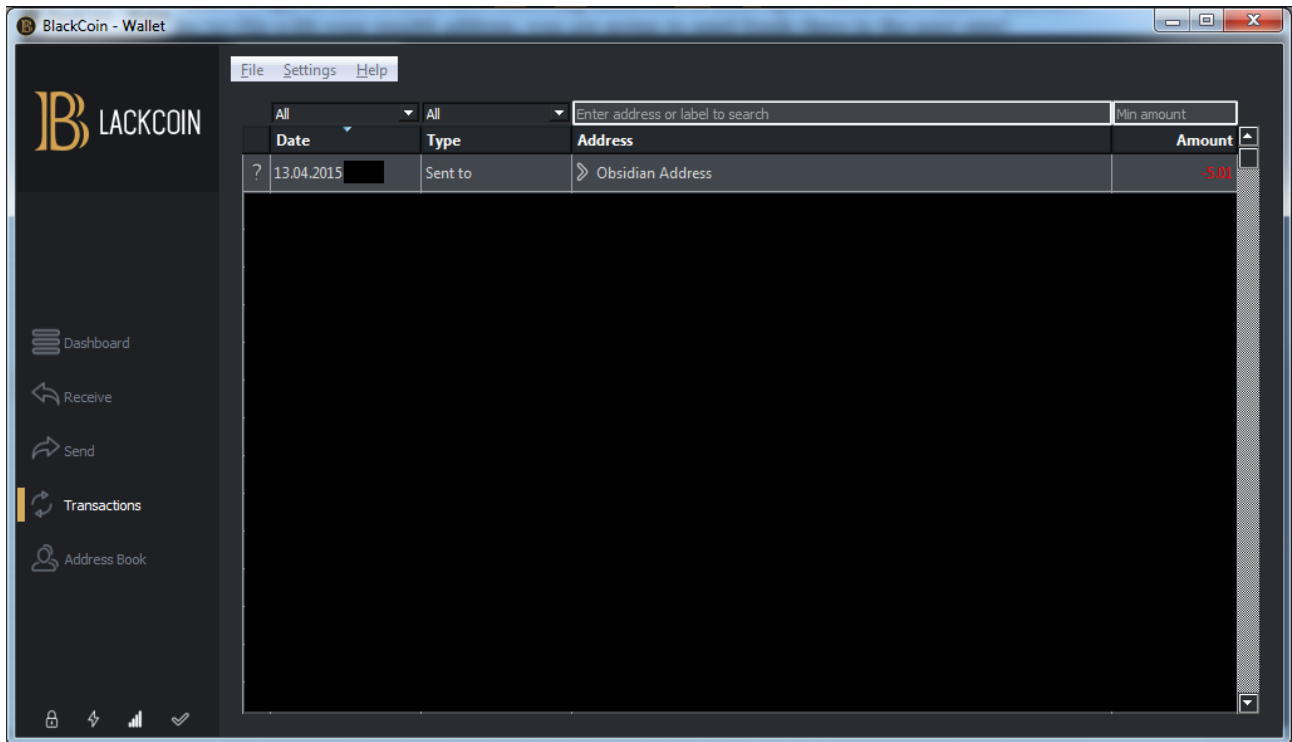
Now close Obsidian, and close the Blackcoin client (File – Exit). Go back to your „wallet.dat“ directory and rename your newly created „wallet.dat“ to „wallet.dat\_obsidian“ and make a backup again. Now rename your „wallet.dat\_bak“ back to „wallet.dat“. Now only start your Blackcoin client, and you are back in your old wallet and see your BLK funds again.

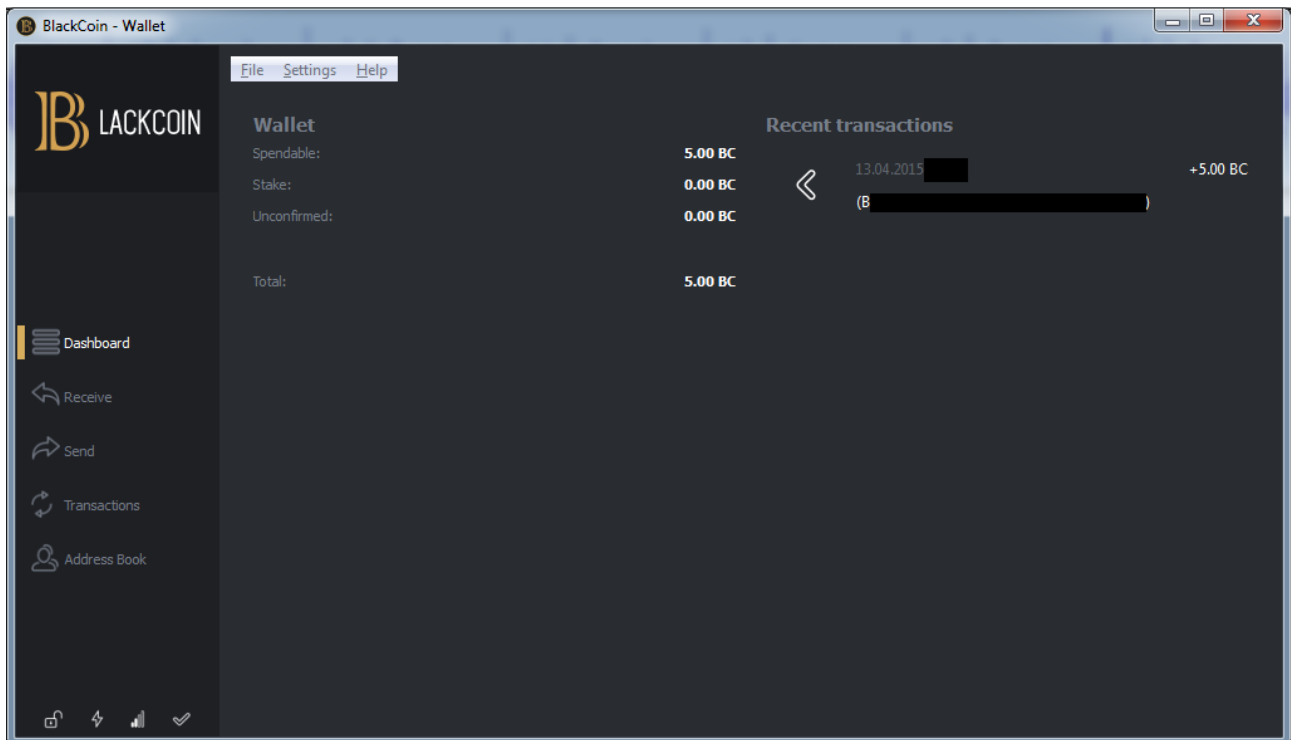




### Step 6:

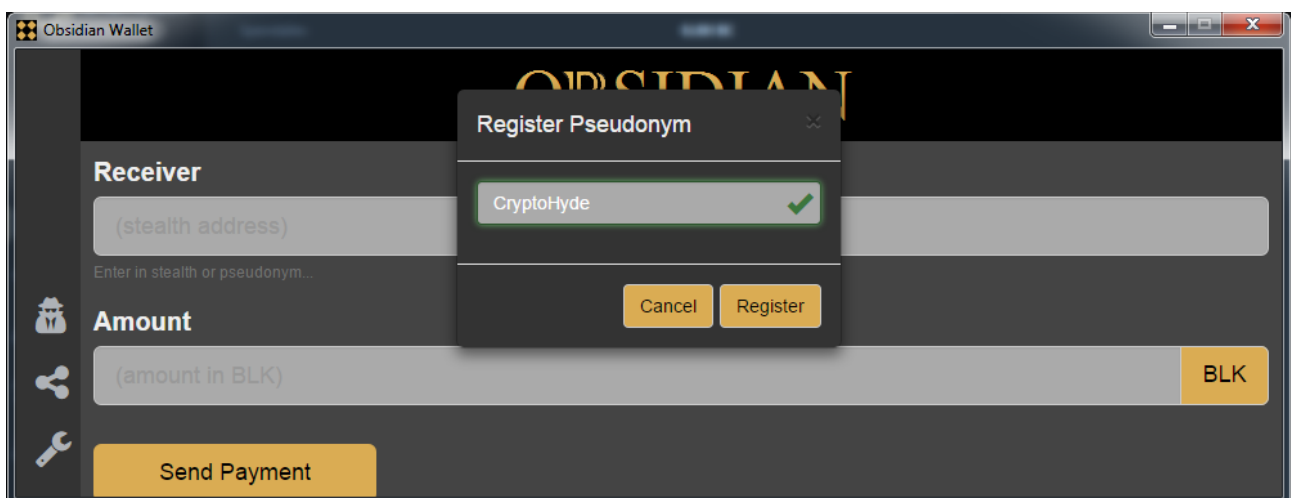
Now open your text file containing your obsidian wallet address. Copy your obsidian wallet address, go to your „Send“ tab and paste it in the „pay to“ field. You can enter a label to save your address in your address book. Now Enter any amount you like (try it with a small amount if you use it the first time, you will need 100 BLK to register a pseudonym) and hit send. The Blackcoin client will ask you if you are sure, check the address and amount and hit yes if you want to send the funds. Now click on „Transactions“, you will see a blue questionmark, if it changes to a clock the payment got broadcasted. Now you can close your Blackcoin client again.



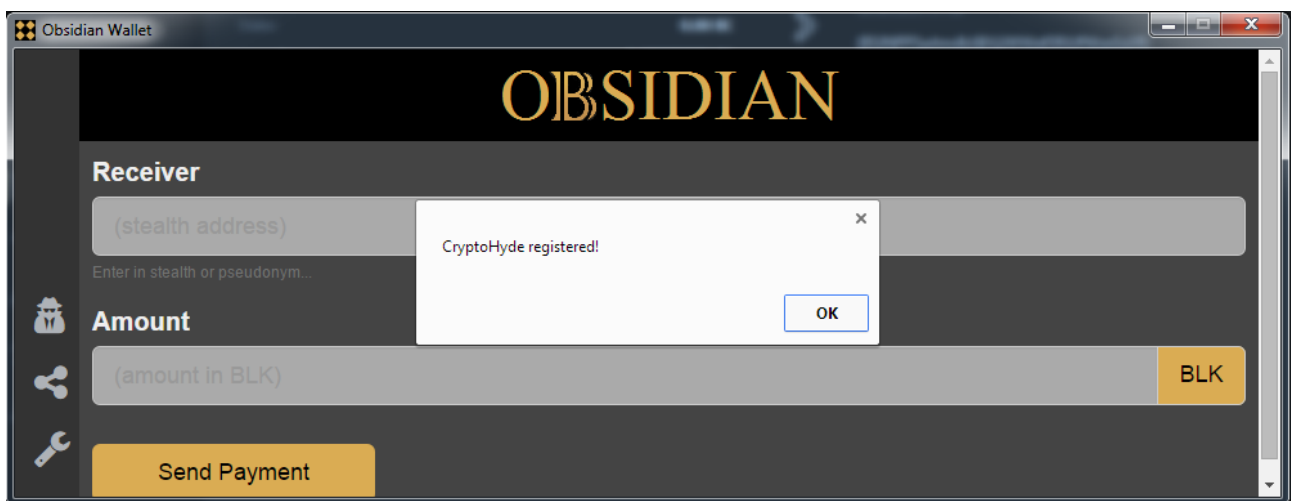
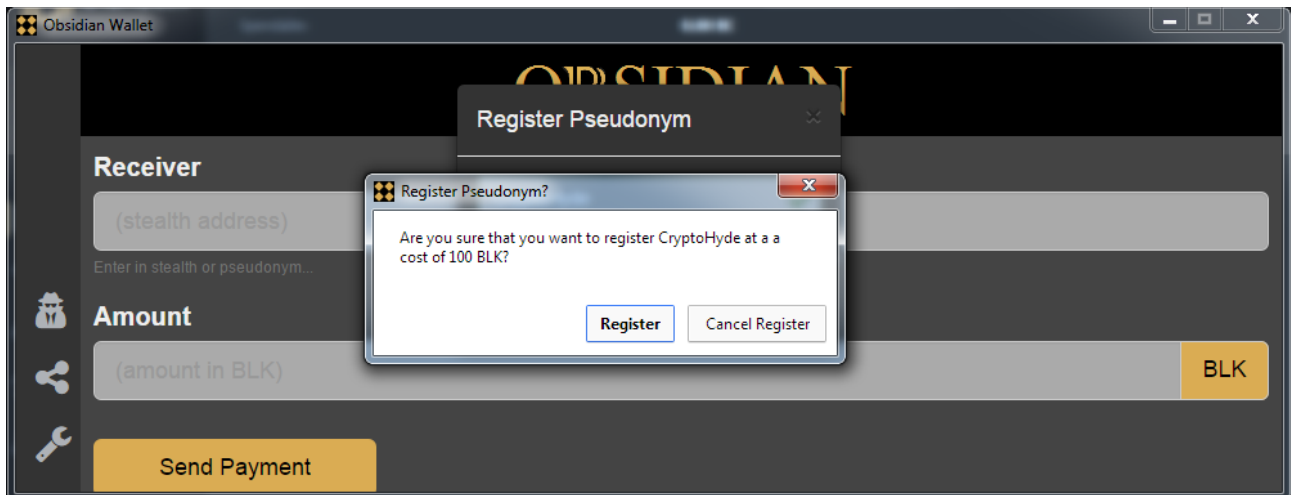


### **Step 7:**

Open your „wallet.dat“ directory (from Step 2) again, and rename your „wallet.dat“ to „wallet.dat\_bak“ and your „wallet.dat\_obsidian“ to „wallet.dat“. Now open the Obsidian client again. If you check the newly opened Blackcoin client window, you should see your sent BLK. Now you are ready to register your pseudonym! To register any pseudonym you like (that hasn't been registered by anyone else yet, your pseudonym belongs to you!) just hit the top button with the masked man on the left, enter a pseudonym of your choosing and hit register. You have to confirm the registration one more time and the pseudonym belongs to you!





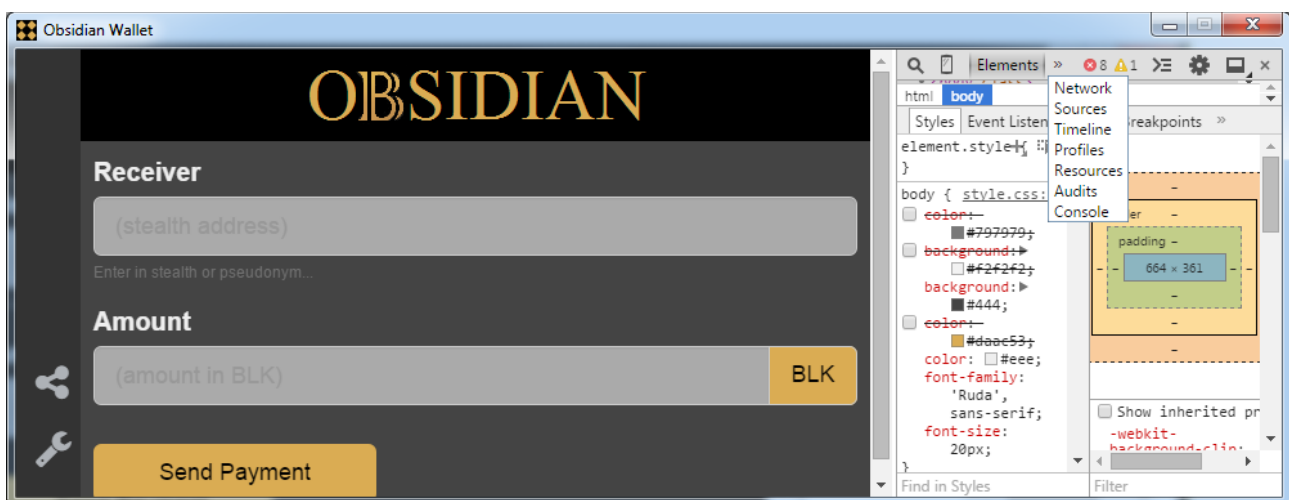
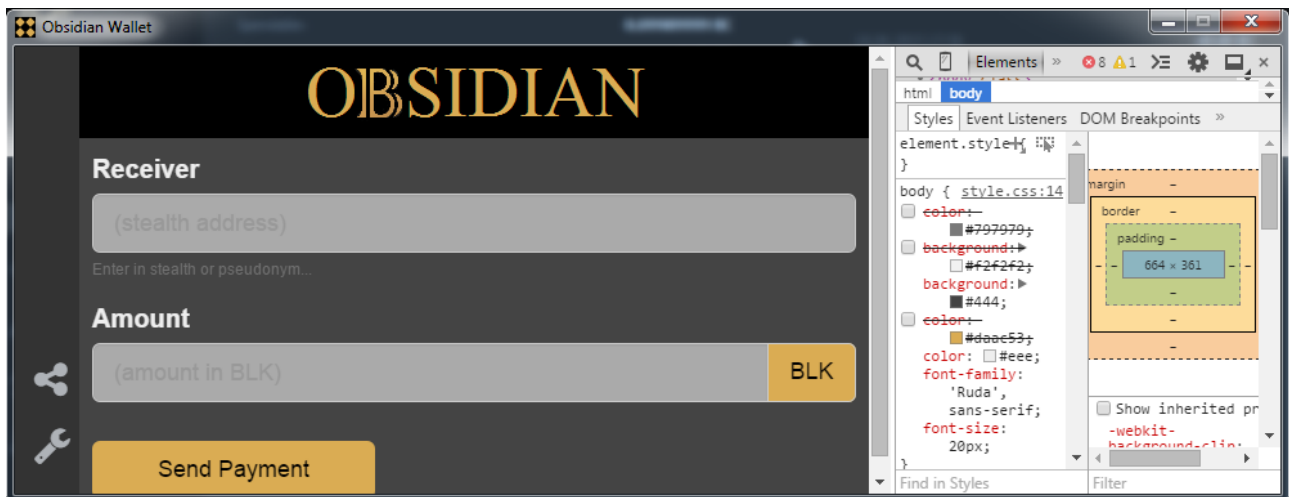


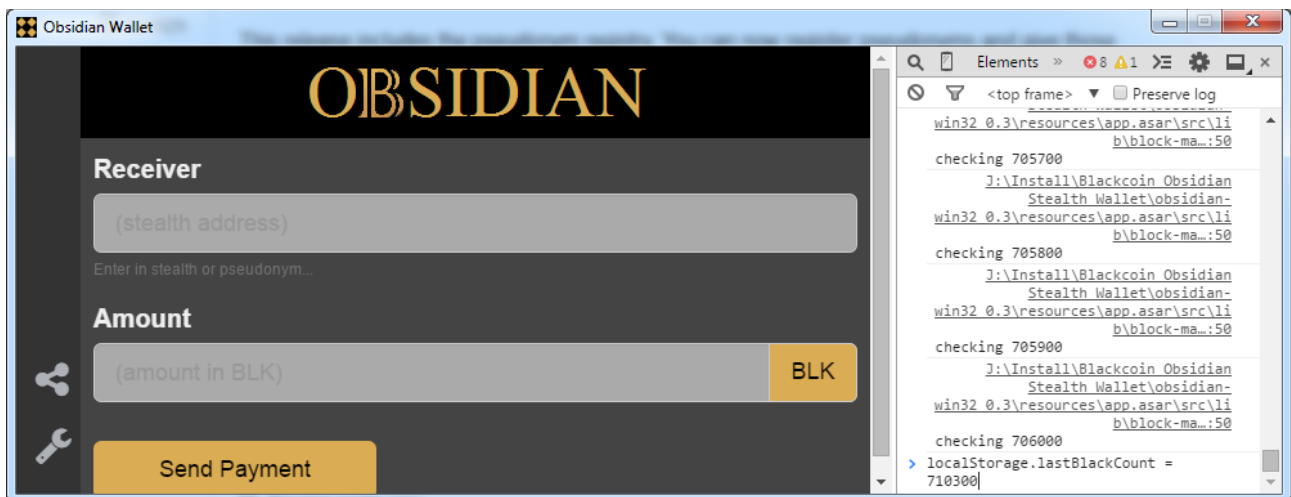
**If you used Obsidian for the first time, you are finished after Step 7, you can send anonymous payments now. If you enter a registered pseudonym it should get matched to the corresponding stealth address. Try entering „jprichardson“ it should look like on page 12.**

**If you used Obsidian before you have to follow Step 8, then you are ready too.**

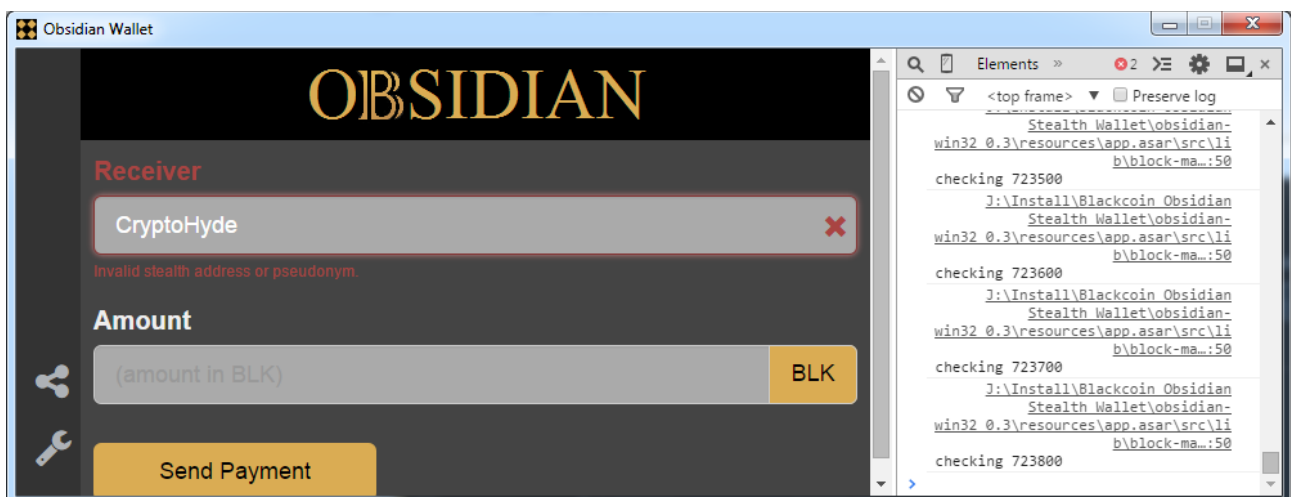
### Step 8:

Click on the wrench icon in the bottom left corner to open the debug menu. On the right click on the arrows right next to „Elements“. In the dropdown menu click on „Console“. Then you have to paste „localStorage.lastBlockCount = 710300 “ in the textfield on the bottom right and hit your Enter key.

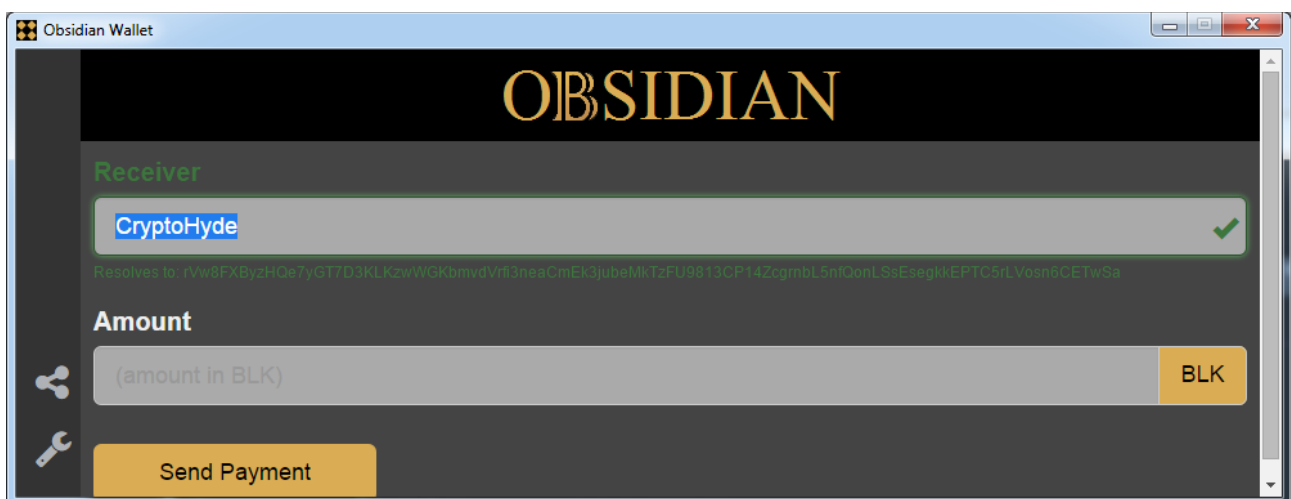


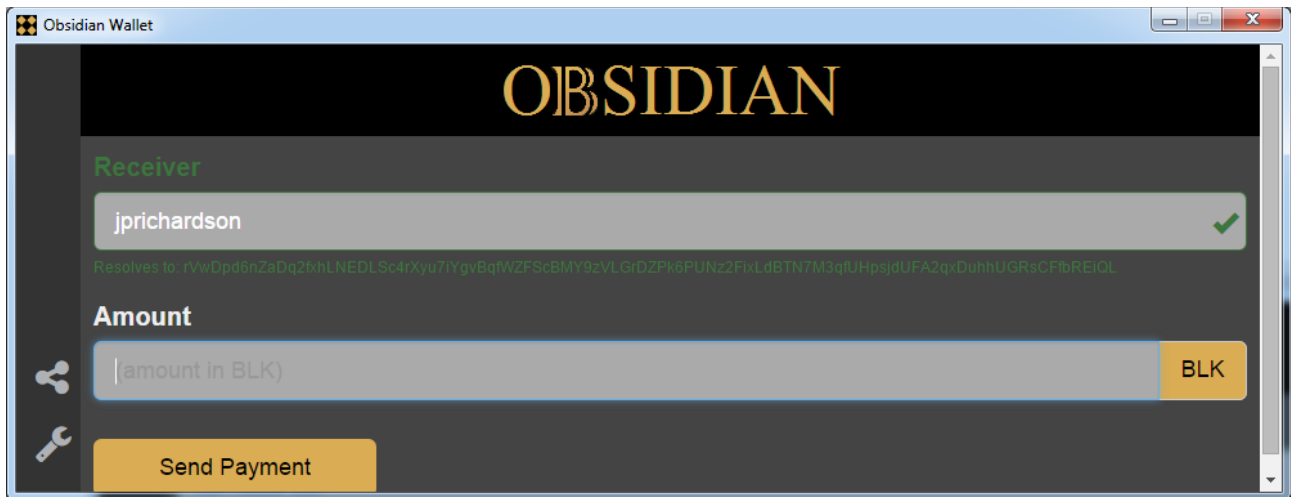


At first your registered pseudonym isn't found because Obsidian has to scan the blocks for registered pseudonyms. You can tell when it's finished, when it stops „checking“ on the right.



When it's finished you can click on the wrench again to close the debug menu. Now it finds your registered pseudonym and you are ready to send funds to yourself or anybody else anonymously!





That's it, enjoy! :)

If you have any questions, just hit me up on Twitter (@CryptoHyde) or ask away in our subreddit <https://www.reddit.com/r/blackcoin>, the community is always happy to help you out.