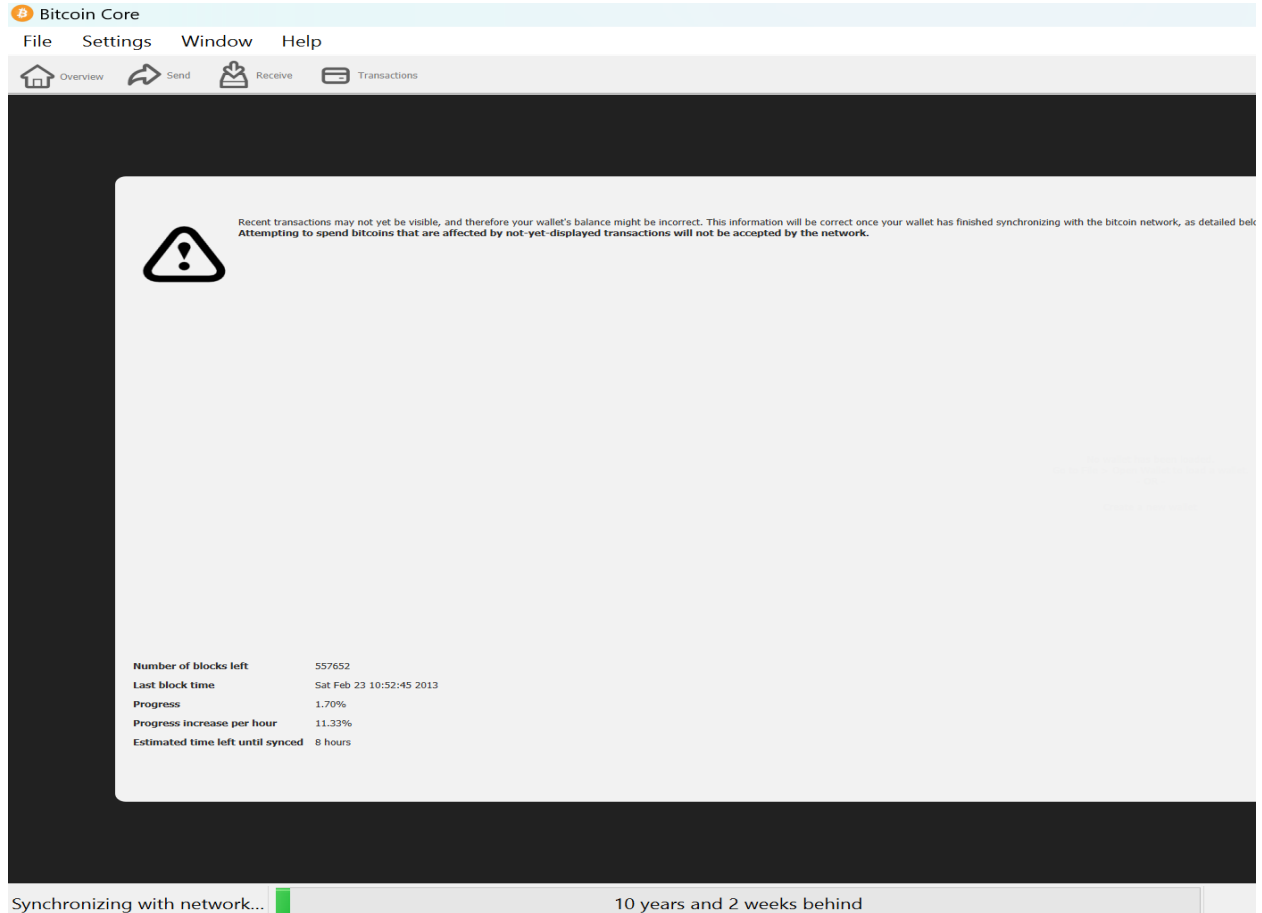
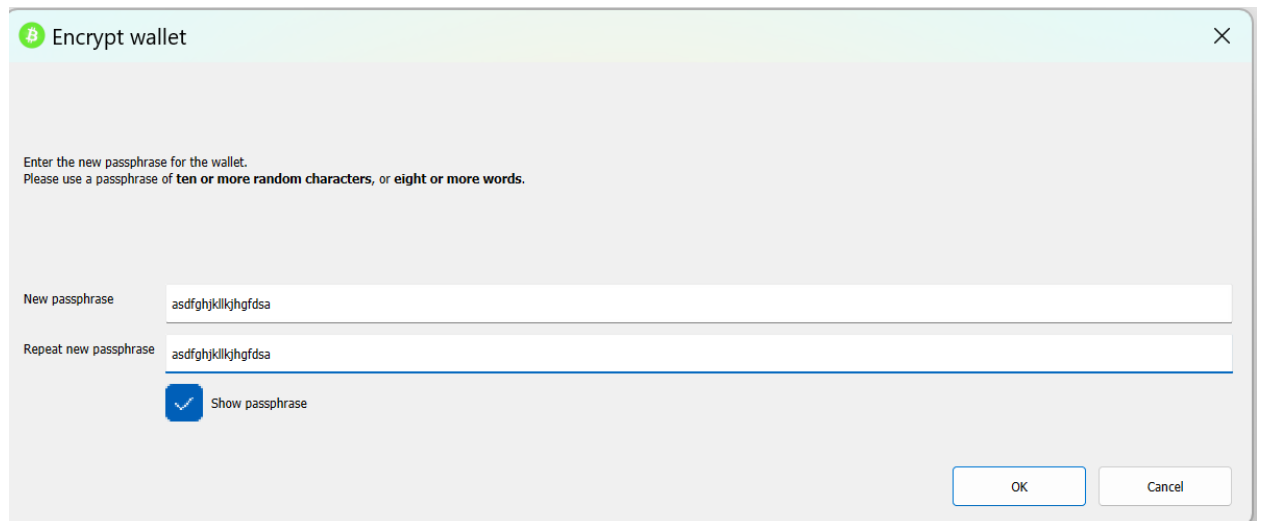


Blockchain & Cryptocurrency Lab 1

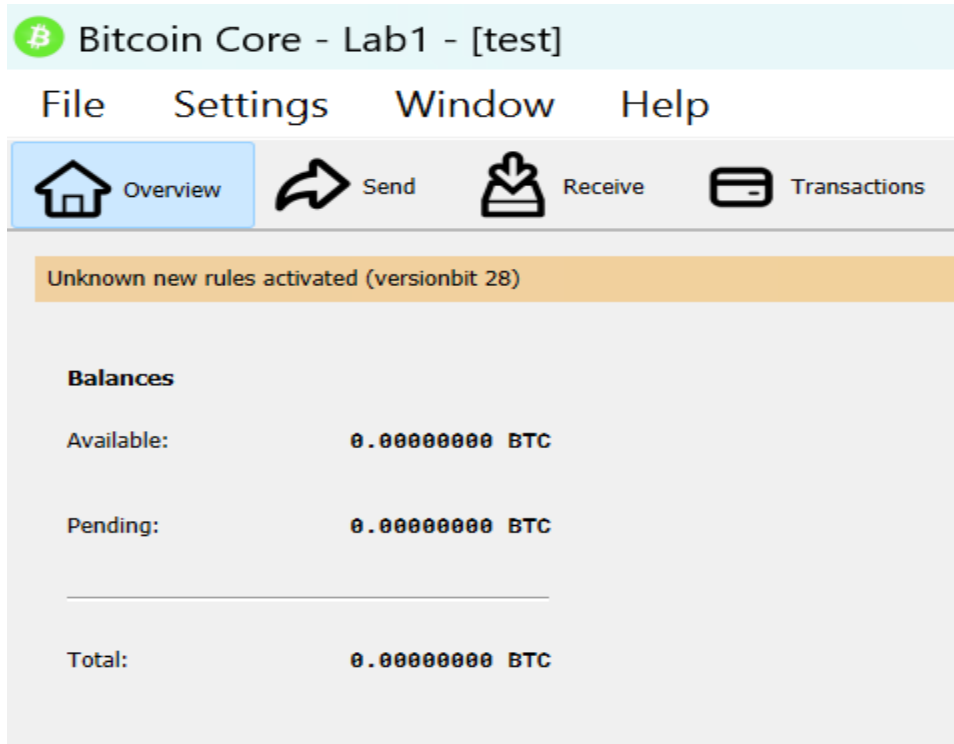
1. First I downloaded the Bitcoin Core Software. Not knowing we just had to use the testnet version I initially tried to download the real one which would've taken me 8 hours.



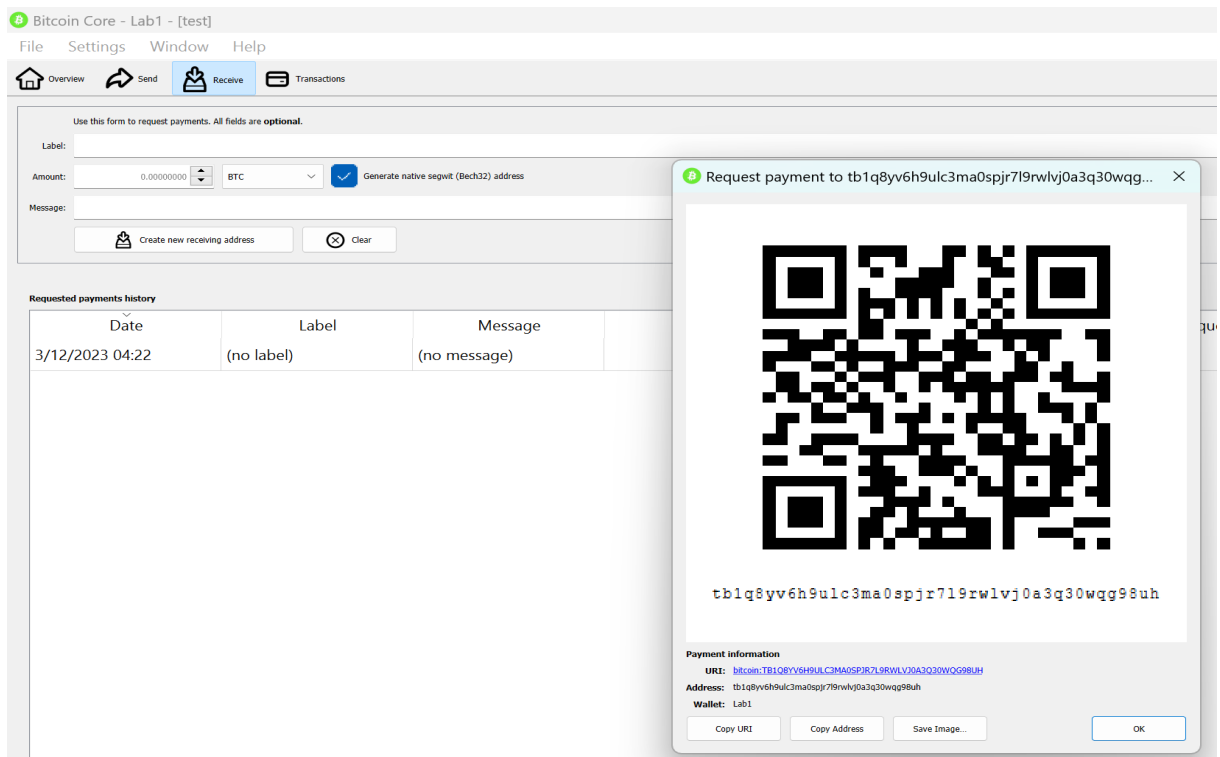
2. Once finished syncing to the testnet version, I created an encrypted Bitcoin Core wallet with a random character passphrase



3. After making my encrypted wallet, I was able to see my balance in the Overview tab.

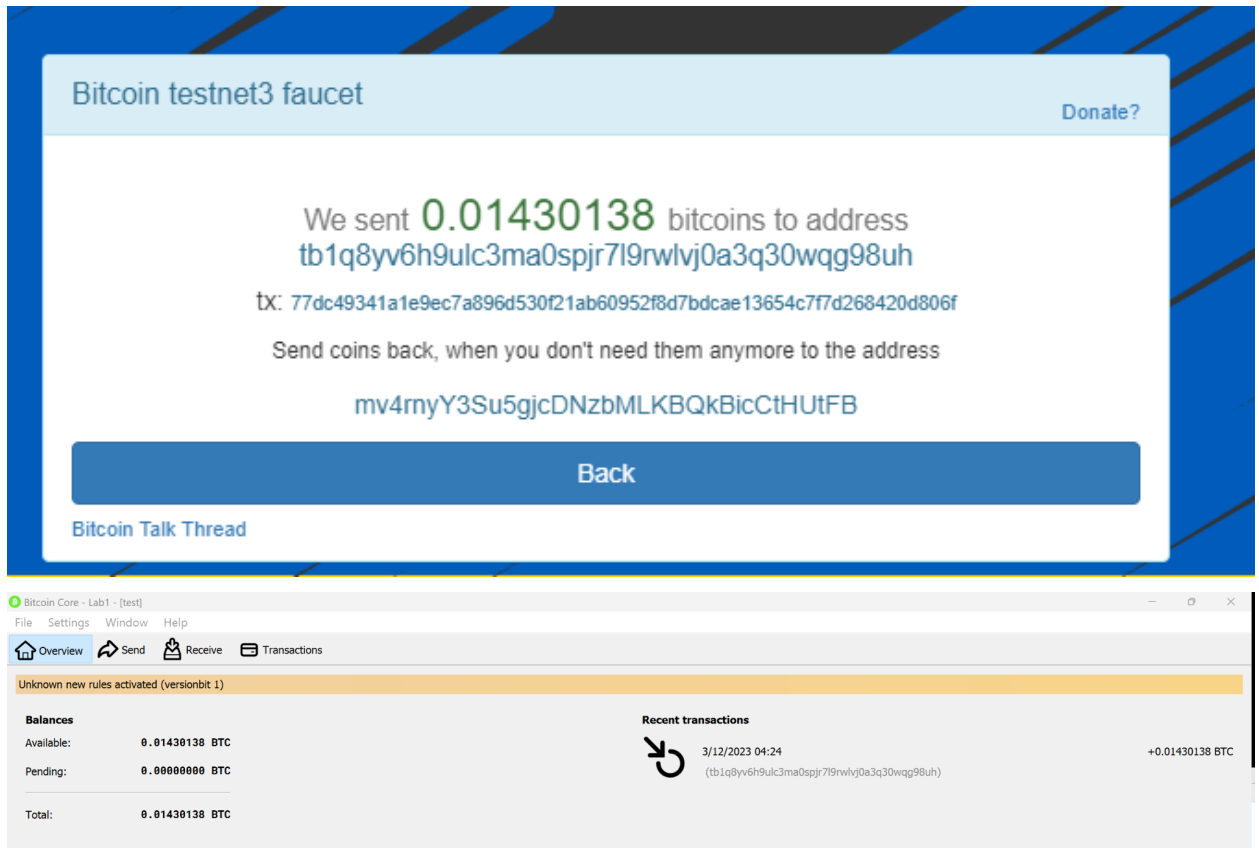


4. Next I went on the Receive tab to get my new address to be able to receive bitcoin

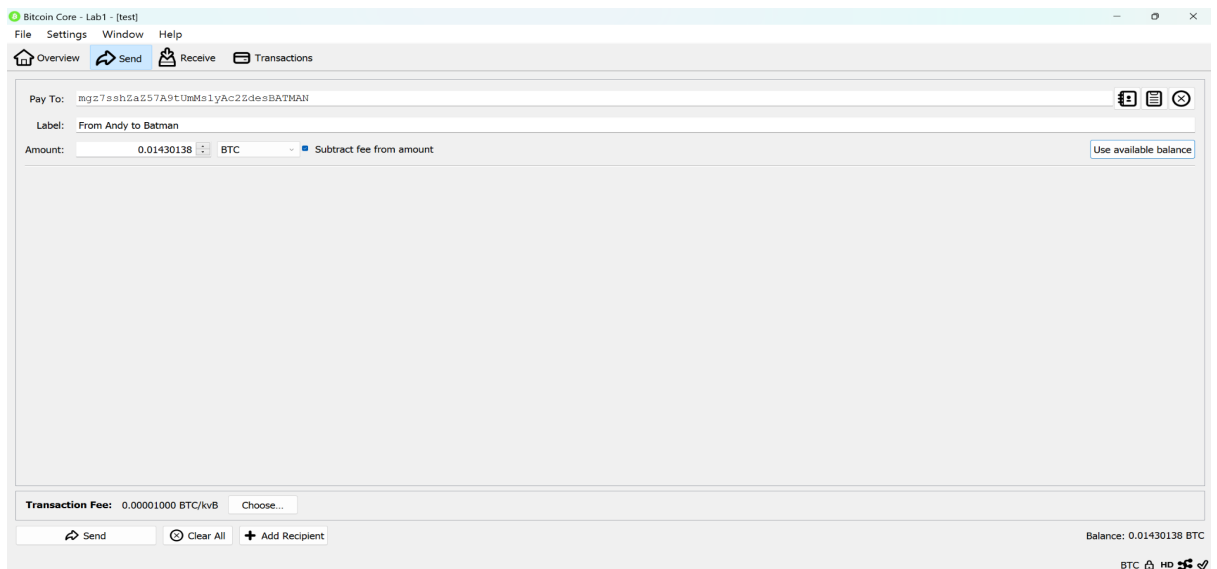


5. Using <https://coinfaucet.eu/en/btc-testnet/> I then proceeded to request coins from this particular faucet website. I checked back on Bitcoin Software and saw that it went

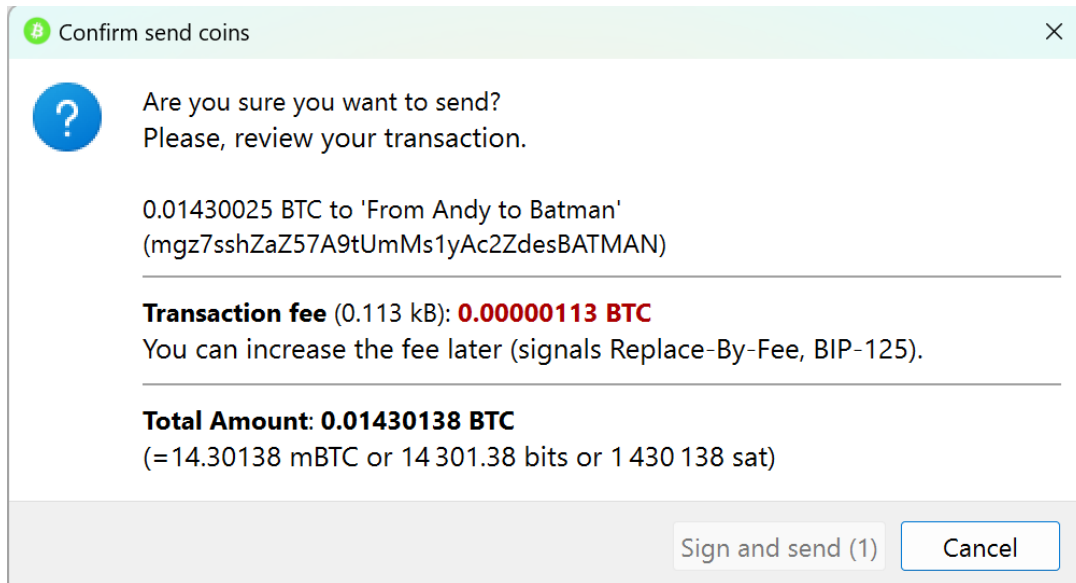
through.



- I then sent my available balance (minus the transaction fee) I got from the coinfaucet website to help aid Batman.



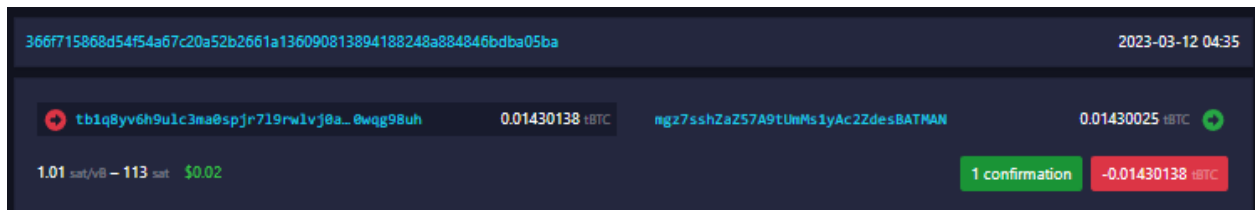
7. Confirmed and signed the transaction, and our Bitcoin Core wallet can confirm it too



| | Date | Type | Label | Amount (BTC) |
|---|---------------|---------------|------------|--------------|
| ? | 3/12/2023 ... | Sent to | From ... | -0.01430138 |
| 🕒 | 3/12/2023 ... | Received with | (tb1q8y... | 0.01430138 |

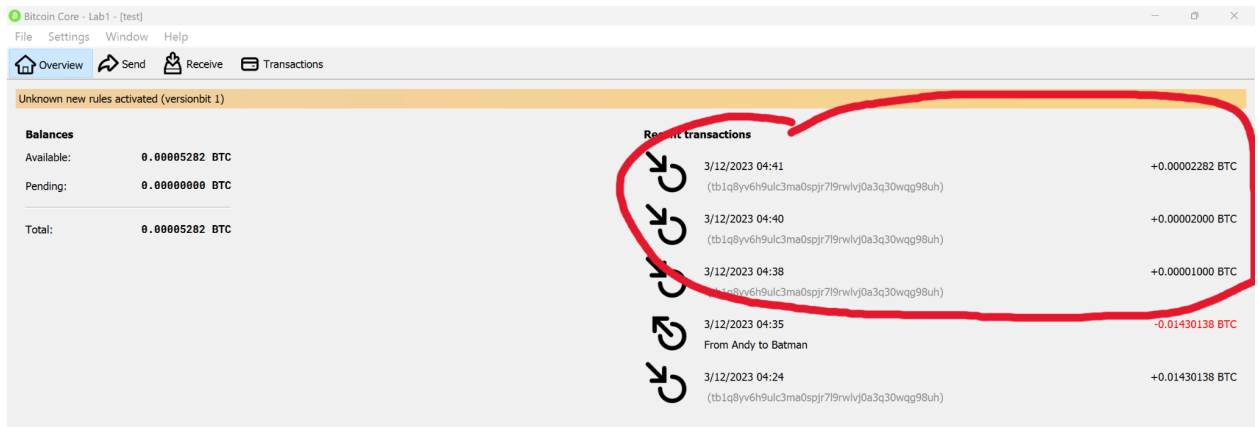
8. To verify the (testnet) transaction with our address on mempool.space we checked this website

<https://mempool.space/testnet/address/mgz7sshZaZ57A9tUmMs1yAc2ZdesBATMAN>

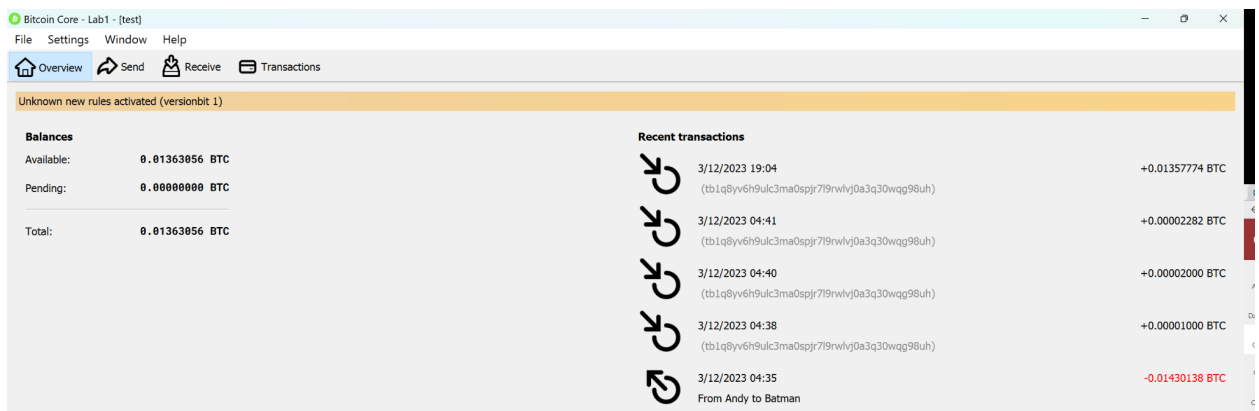
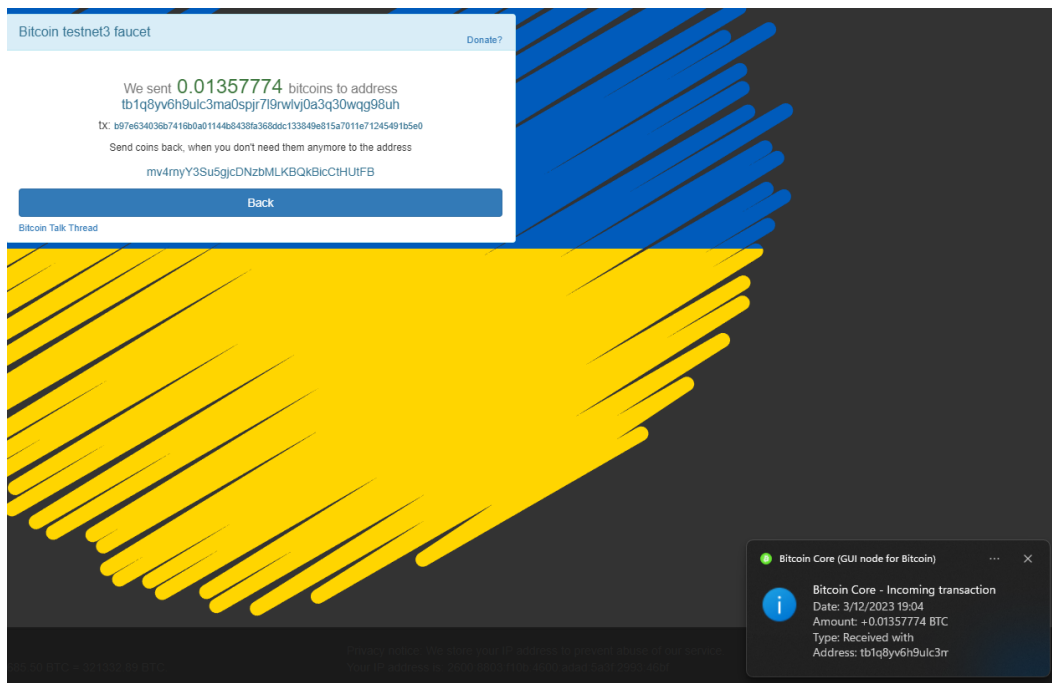


9. Thinking I was done I reread the instructions of the Lab and saw Transaction(s), implying multiple -_. So I decided to use the other faucet website <https://bitcoinfaucet.uo1.net/send.php>. The problem I encountered with this faucet website is that it only gave me less than what I was able to send to Batman. You can see the 3 transactions I did before it stopped me saying that was the max it could give out. The previous faucet website had a 11 hour wait time before you could request again so I

just had to wait.



10. Using <https://coinfaucet.eu/en/btc-testnet/> to get more coins after waiting



11. Repeated the steps and sent my available balance to help Batman

| | | | | | |
|----------------------------------------------------------------------|---------------|---------------|------------|--|--------------|
| Bitcoin Core - Lab1 - [test] | | | | | |
| File Settings Window Help | | | | | |
| Overview Send Receive Transactions | | | | | |
| All All Enter address, transaction id, or label to search Min amount | | | | | |
| | Date | Type | Label | | Amount (BTC) |
| ? | 3/12/2023 ... | Sent to | From ... | | -0.01363056 |
| 🌙 | 3/12/2023 ... | Received with | (tb1q8y... | | 0.01357774 |
| ✓ | 3/12/2023 ... | Received with | (tb1q8y... | | 0.00002282 |
| ✓ | 3/12/2023 ... | Received with | (tb1q8y... | | 0.00002000 |
| ✓ | 3/12/2023 ... | Received with | (tb1q8y... | | 0.00001000 |
| ✓ | 3/12/2023 ... | Sent to | From ... | | -0.01430138 |
| ✓ | 3/12/2023 ... | Received with | (tb1q8y... | | 0.01430138 |

12. We can verify all these transactions on our address mempool space

My Address: tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a3q30wqg98uh

<https://mempool.space/testnet/address/tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a3q30wqg98uh>

7 of 7 transactions

3bc0ee4e519dadd00d48e223928f296617a7129990d5c5ab874ca69056a0d0

2023-03-12 19:40

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.00002000

BTC

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.01357774

BTC

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.00002282

BTC

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.00001000

BTC

1.00 sat/vb = 316 sat \$0.07

13 confirmations

-0.01363056

BTC

b97a634036b7416b0d01144b8438fa368ddc133849e815a7011e71245491b5e0

2023-03-12 19:16

🔴

2MyeK3WV0x466jxtyhTbuc2czbTMyqp2M

37.47827096

BTC

tb1qywpqpn634jd6a8az8tc7rx7rgc..._9ge8yrcw

37.46452560

BTC

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.01357774

BTC

103 sat/vb = 16,762 sat \$3.70

15 confirmations

+0.01357774

BTC

9a1fd1c723552a39dd9e626bb2807380510944c0cb7a108965870de190ee

2023-03-12 04:45

🔴

tb1q6t3djvt6zctn713hj6qj3k3fth..._a97up3n9

0.01353528

BTC

tb1qhr155w1u81e5cyrw9eup8as3..._wmx759

0.01352387

BTC

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.00001000

BTC

1.01 sat/vb = 141 sat \$0.03

78 confirmations

+0.00001000

BTC

7b0167b4aa99ca2c8bed3e1f6ac080ae1bf3466e4821493ee1ea0645b295d5

2023-03-12 04:45

🔴

tb1qfuskemup73q8cnv579tkvps3..._mppsdyjr

0.01399595

BTC

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.00002000

BTC

🔴

tb1q6zyy6h8391k8c3u6eja46495..._mufghicf

0.01397454

BTC

1.01 sat/vb = 141 sat \$0.03

78 confirmations

+0.00002000

BTC

6fe904c285b7ca3b3fb5ede006c29270e0ae968203074b66b5a565899505b676

2023-03-12 04:45

🔴

tb1q16m7wc7rut1yt1vn7gmptc3cn..._93p9ca8u

0.01576372

BTC

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.00002282

BTC

🔴

tb1qz8pd9c3xau54e421dai9e87u3e2..._kalt1xzj

0.01573949

BTC

1.01 sat/vb = 141 sat \$0.03

78 confirmations

+0.00002282

BTC

3667715868d54f54e6720a52b2661a136090813894188248a884846bba05ba

2023-03-12 04:35

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.01430138

BTC

mg27achZaZ57A9t1uWx1yAc22desBATMAN

0.01430025

BTC

🟢

1.01 sat/vb = 113 sat \$0.02

79 confirmations

-0.01430138

BTC

77dc49341a1e9ec7a896d530f21ab609528d7bdca13654c77d268420db06f

2023-03-12 04:33

🔴

2N8GG7LAKQxjCudZvd2Vn22z-j2gKQUV7e

37.95134307

BTC

tb1q8qctk6hdew480c9pnauf7pe..._qj5h77u6

37.93687406

BTC

🔴

tb1q8yv6h9ulc3ma0spjr7l9rwlvj0a..._0wg98uh

0.01430138

BTC

103 sat/vb = 16,763 sat \$3.47

80 confirmations

+0.01430138

BTC