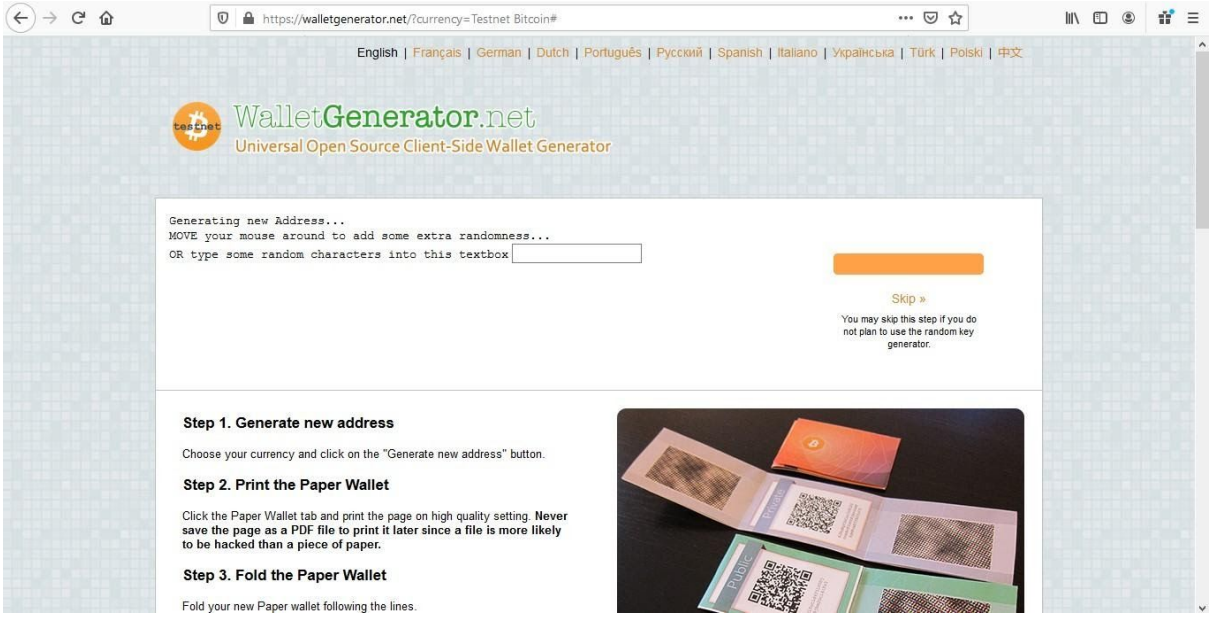
STEP BY STEP GUIDE ON HOW TO CREATE AND BROADCAST A BITCOIN TRANSACTION ON TESTNET

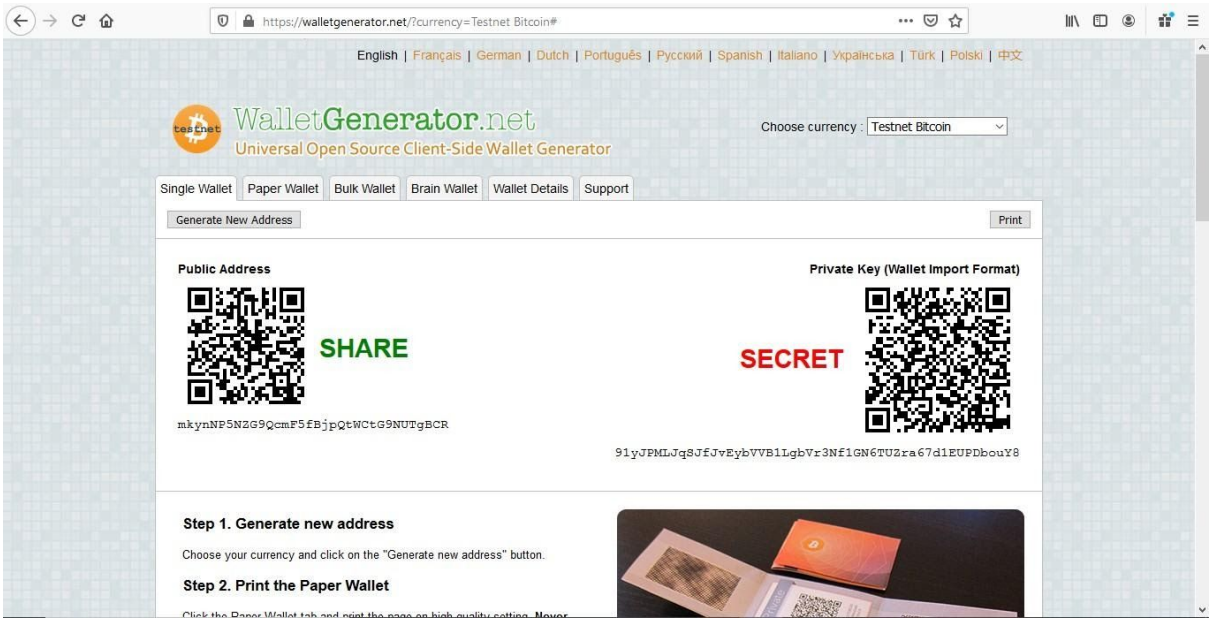
Step-1: To perform a bitcoin transaction first we need to have a wallet. There are many different types of wallet available, in our case we will use a paper wallet.

To create a paper wallet, go to this URL:
https://walletgenerator.net/?currency=Testnet%20Bitcoin#



Move your mouse around the screen to generate random keys. You can also enter random letters in the text box.

After successfully generating a wallet keys you will see a similar to below screen.

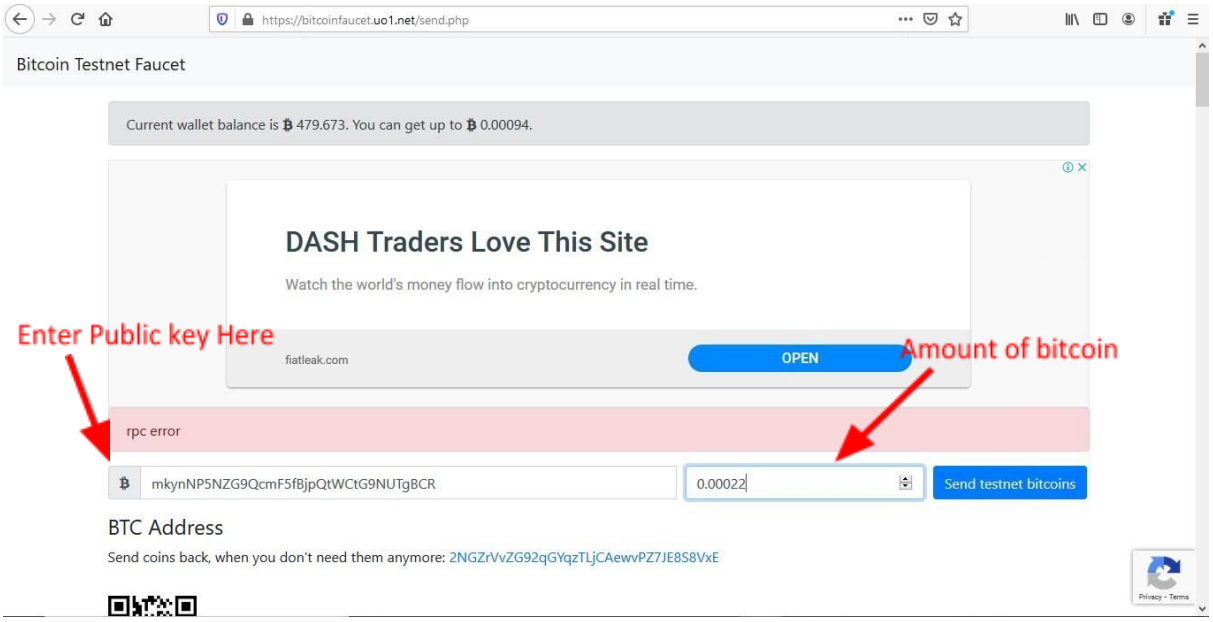


Share (Left side) is the public key of your wallet and Secret (Right side) is the private key of your wallet. We will need both in future so you can take a screenshot of this screen or take a printout of this.

Step-2: Now to add bitcoin to your wallet, go to this URL:

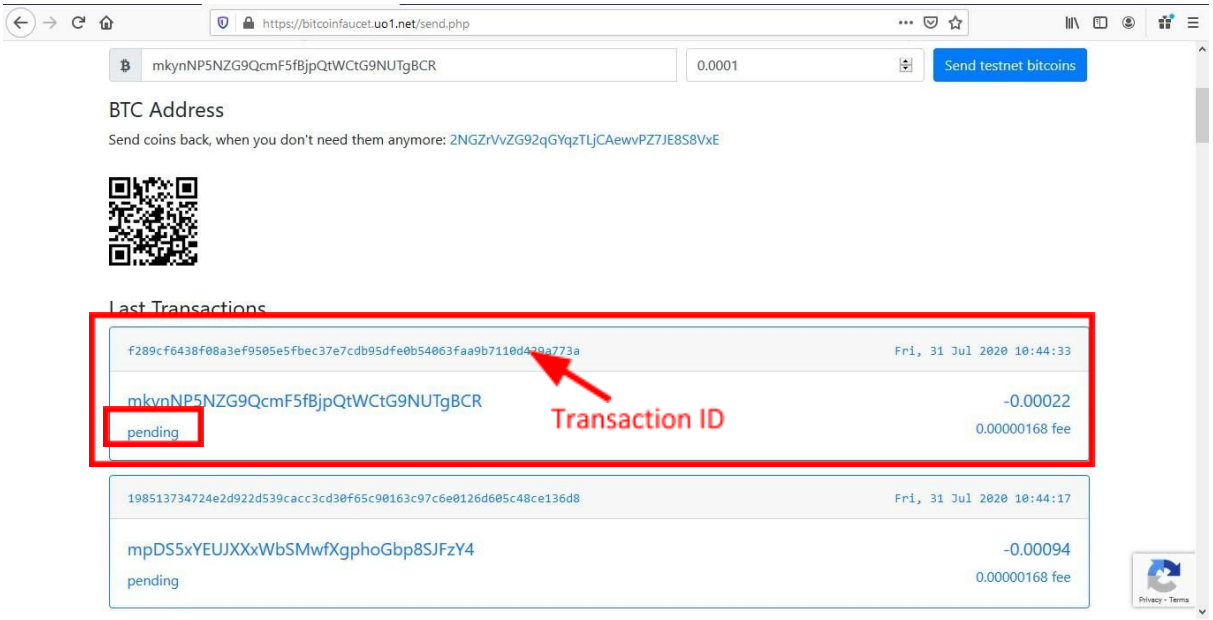
https://bitcoinfaucet.uo1.net/send.php

Now Enter your public key in the text box and enter the amount of bitcoin that you want to transfer in your wallet and click on the "send testnet bitcoin" button.



After Successful transaction, your transaction will be added to the list of pending transactions below. As we require some confirmation to transfer bitcoin.

IMPORTANT: Kindly note down your transaction id.

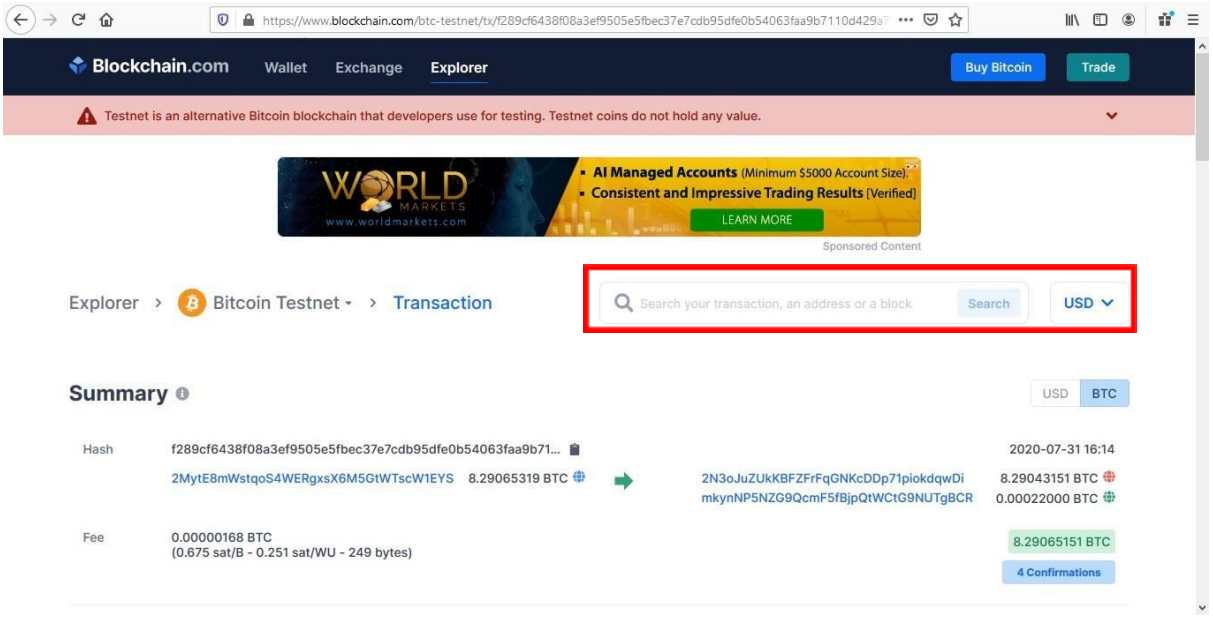


It will take around 25-30 mins to get confirmation. After receiving the confirmation, amount will be added into your account.

Step-2(a): To check balance in your account, go to this URL:

https://www.blockchain.com/btc-testnet/blocks

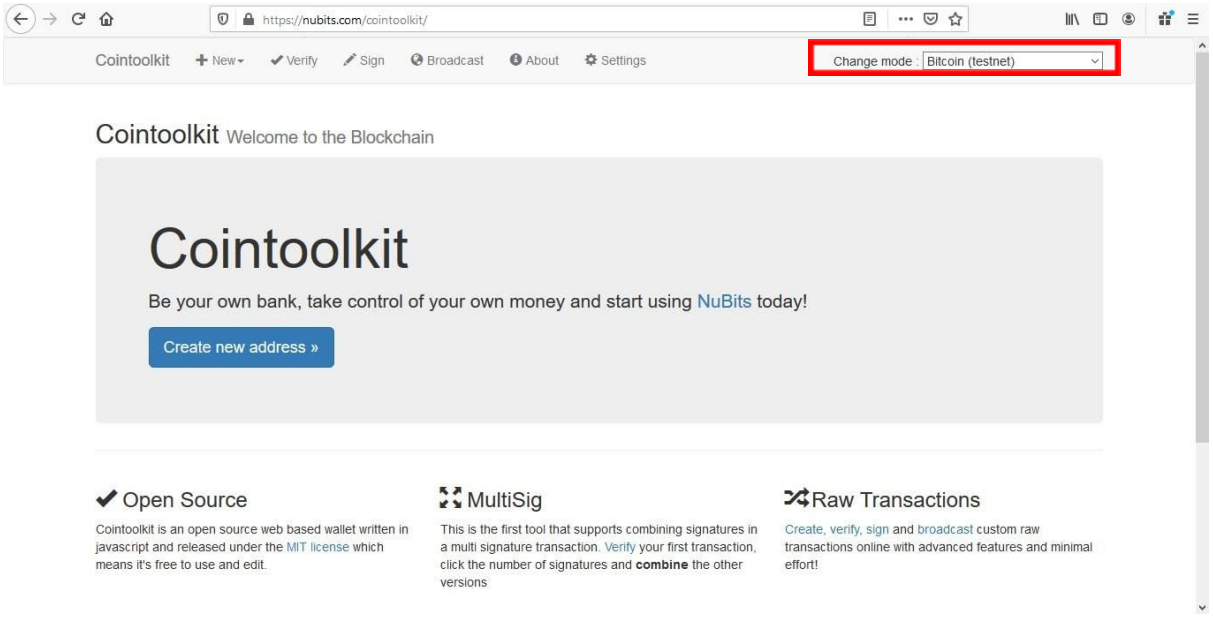
And enter your transaction id in the search block.



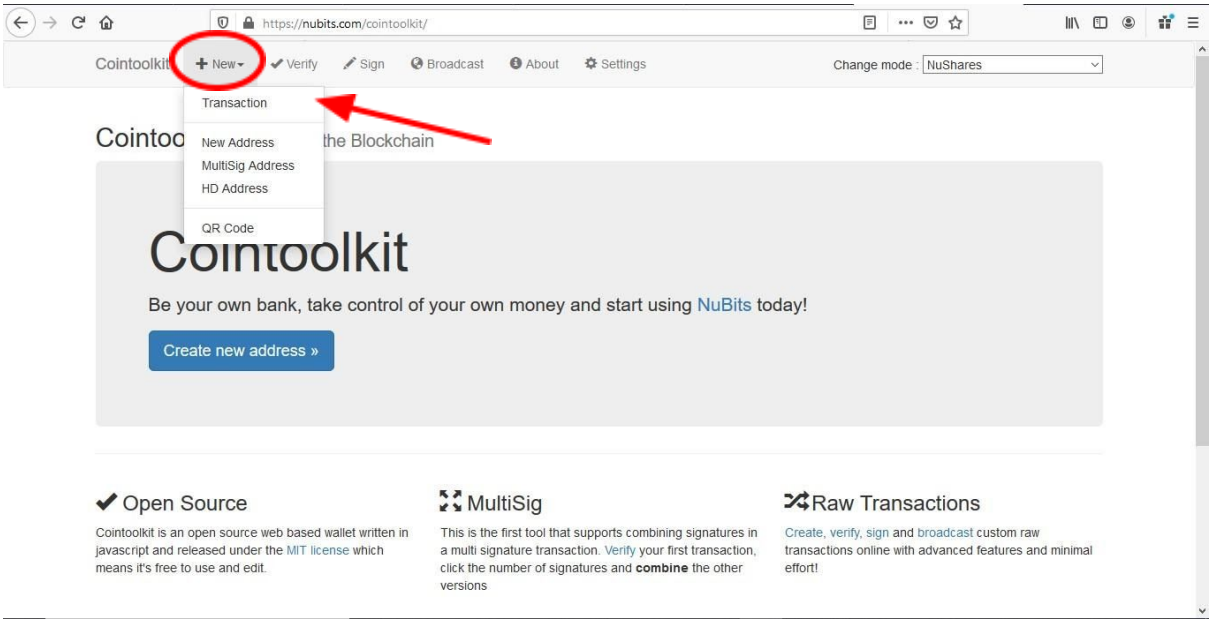
Step-3: Now we have bitcoin in our wallet. To send them to other account or to spend them, go to this URL:

https://nubits.com/cointoolkit/

Click change the mode to “Bitcoin(testnet)”

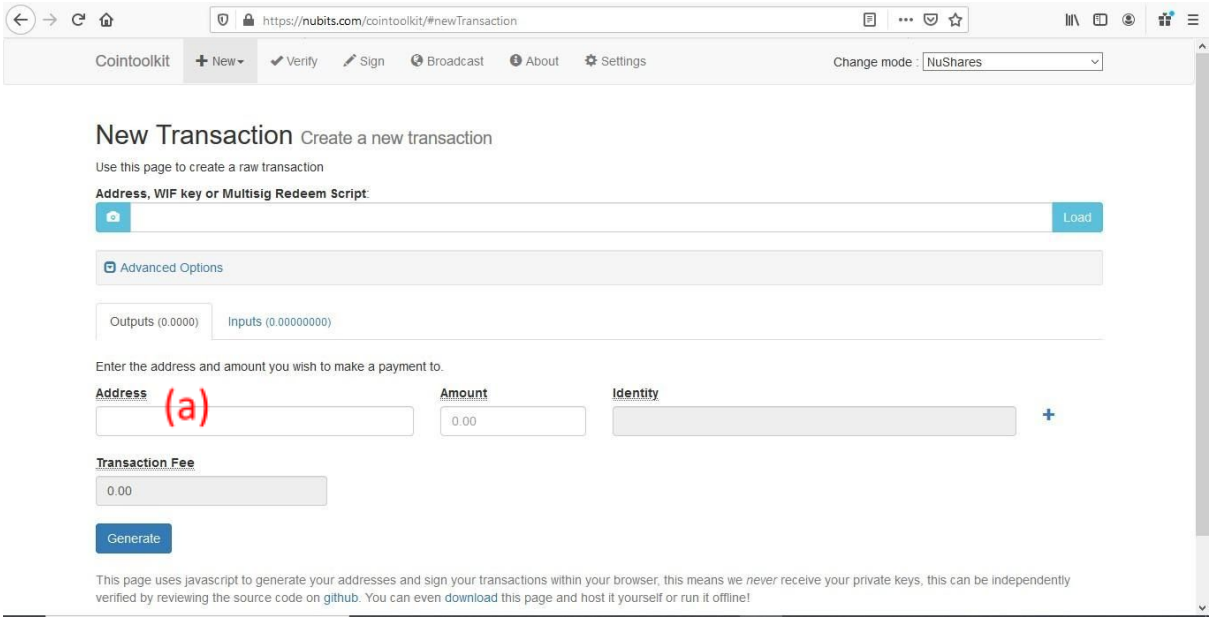


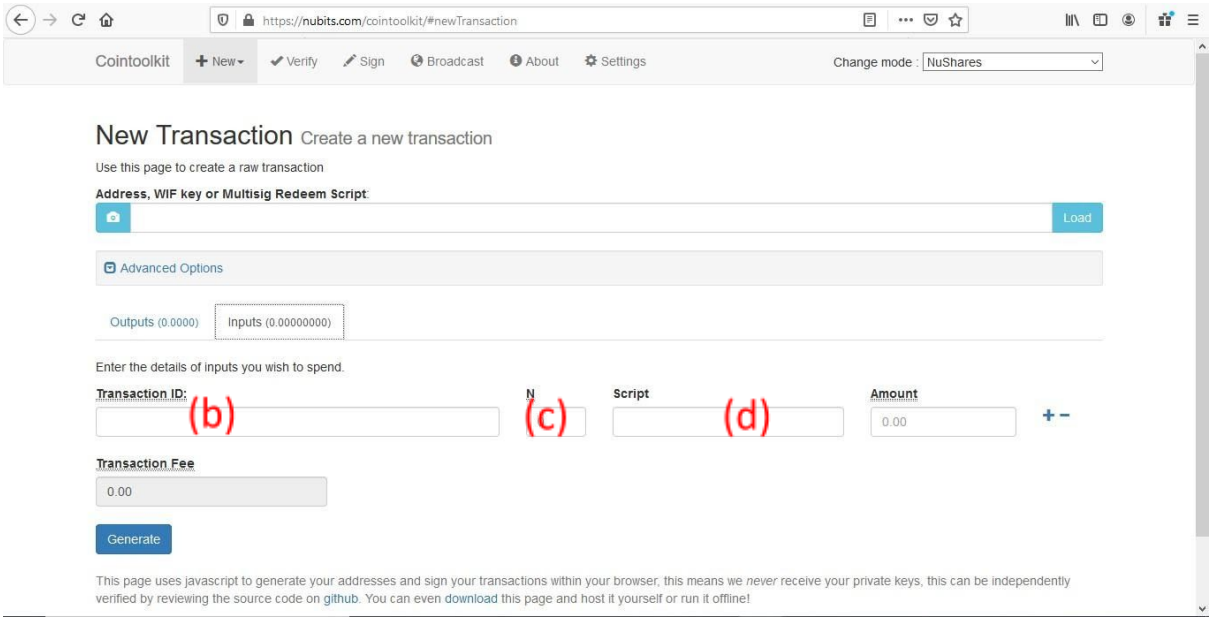
Step-4: Now Click on “New” and click “Transaction”



Step-5: To perform transaction, we need some other data as shown in below figures:

a) Public key of receiver
b) Our transaction id
c) Value of n
d) script

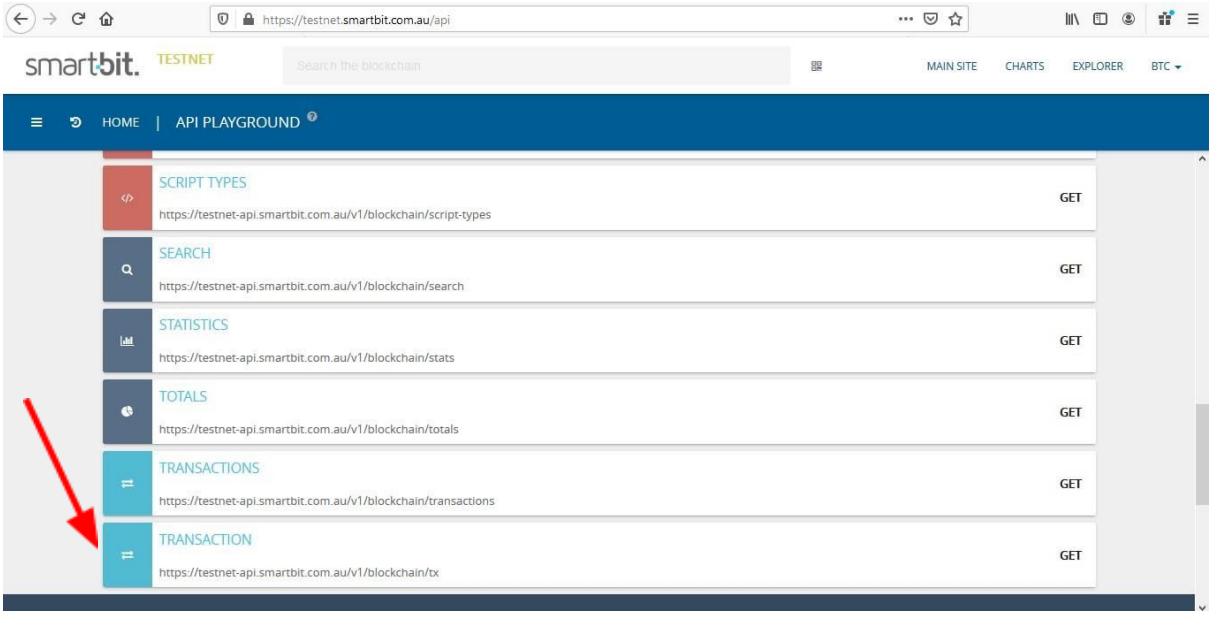




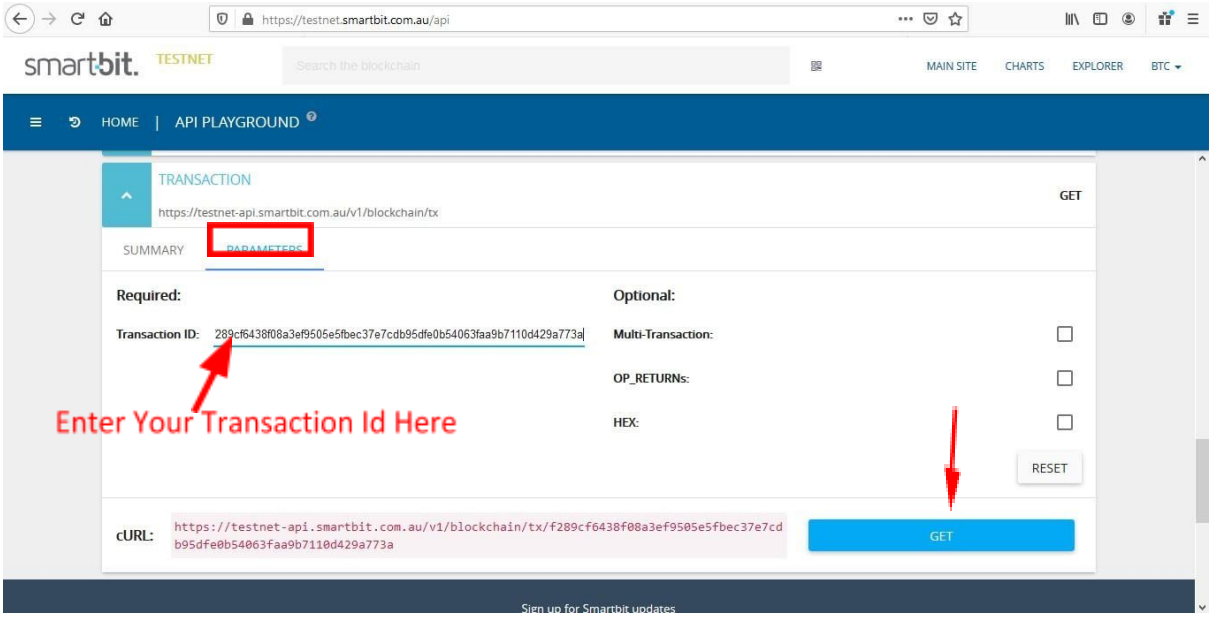
Step-6: To get the parameters of input go to this URL:

https://testnet.smartbit.com.au/api

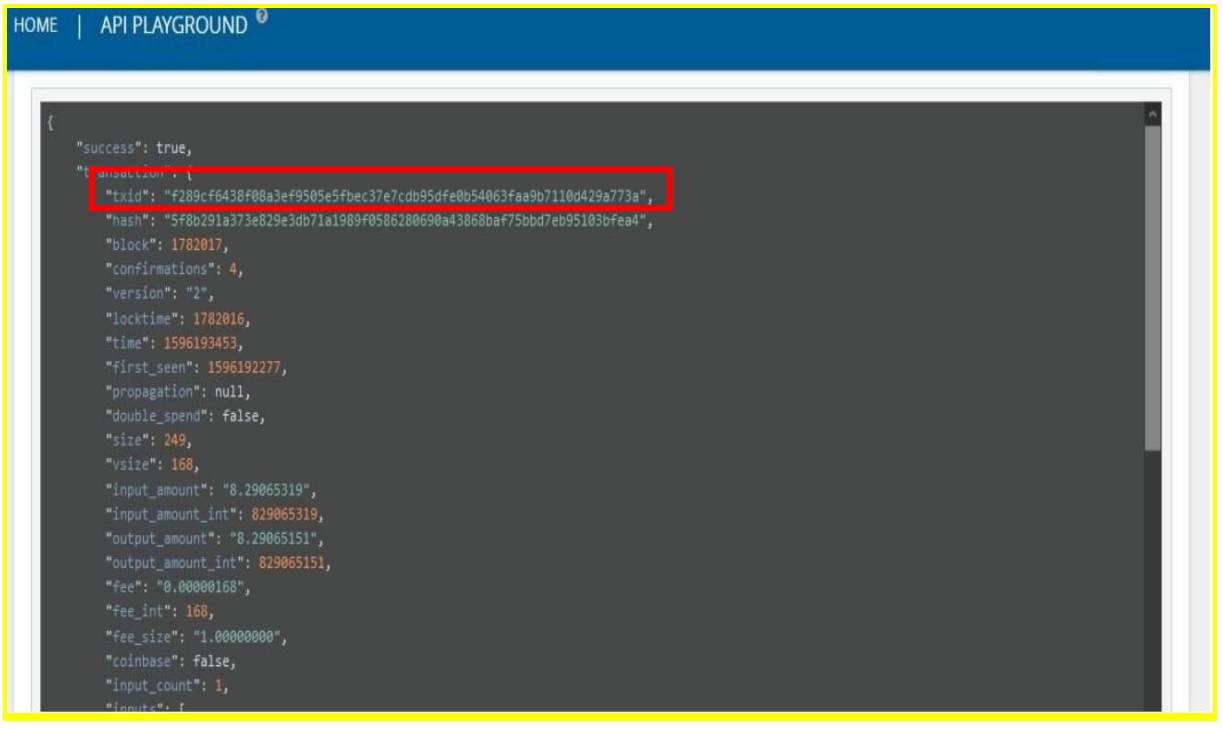
Go to the end of the page and click on “TRANSACTION” tab.



Step-6(a): Go to the "PARAMETERS" tab and enter your transaction id that we noted earlier and click on the "GET" button.



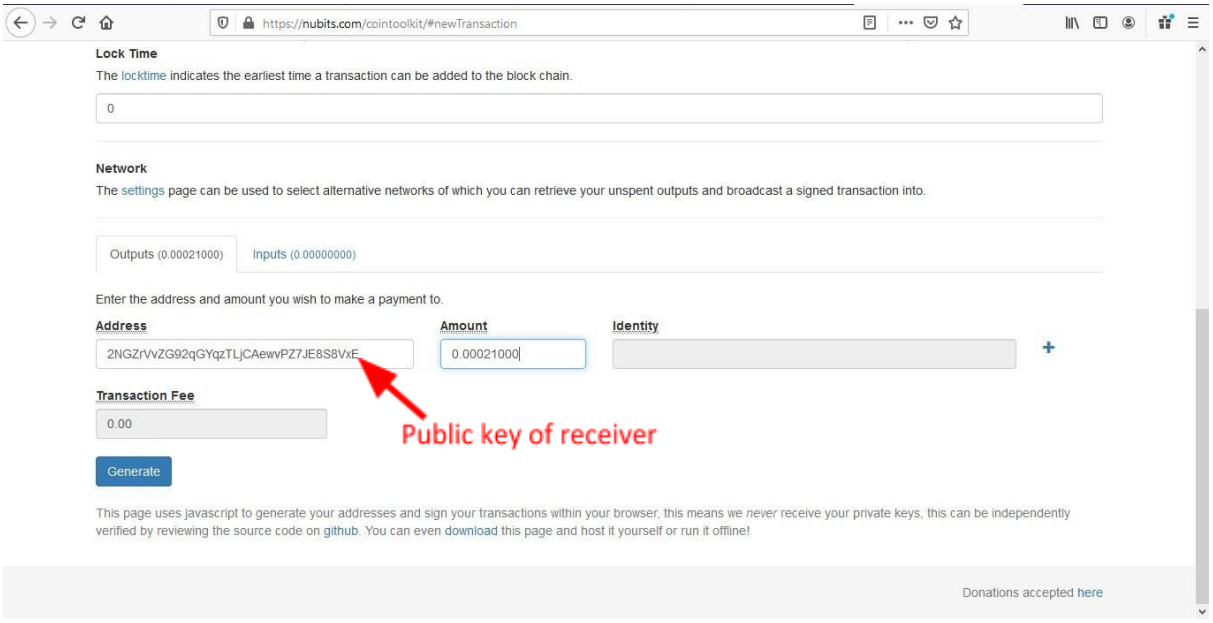
Step-6(b): In the Response section, Find the transaction id in the below figure: "txid" field will be your transaction id.



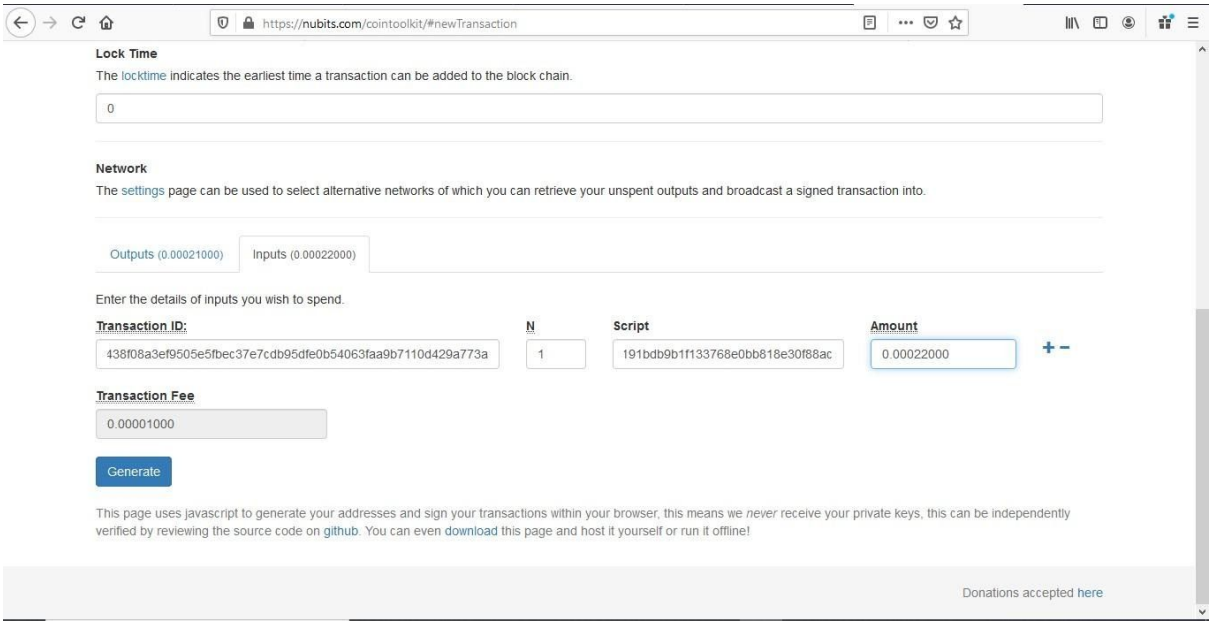
Step-6(c): Now scroll down to the output section and find the field that represents your transaction. In our case we transfer the 0.00022000 bitcoin to our account that is the second pain in the output section.

Step-7: Now we have all the values that are required, so now put these values in the respective field.

So, output will be as shown in below picture:

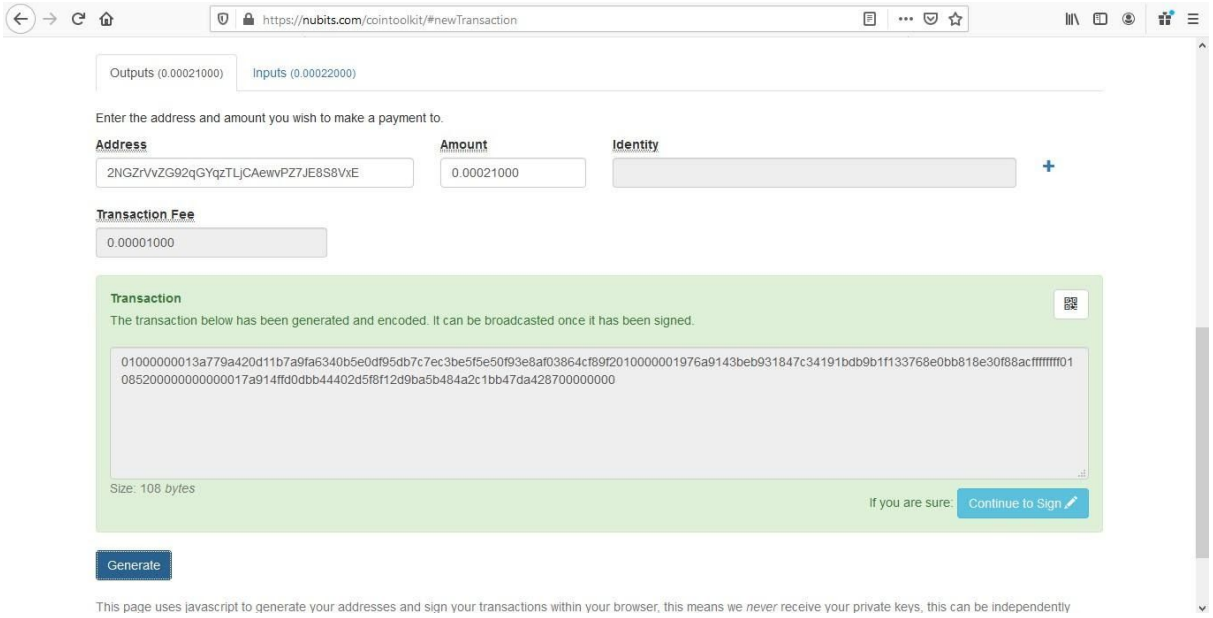


And input will become as shown in below figure:



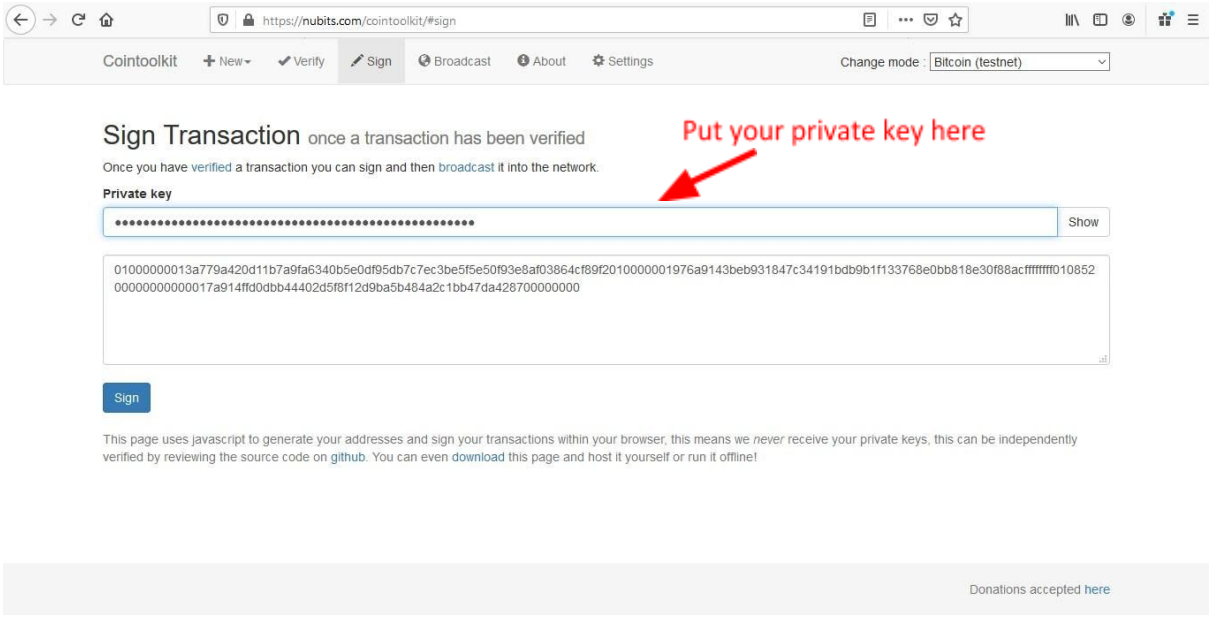
Note: *As we want to transfer whole money, so we put 0.00022000 in the input amount field and 0.00021000 in output amount field and 0.00001000 is the fee.*

Step-8: Now Click on Generate button and will see something as shown in below figure:

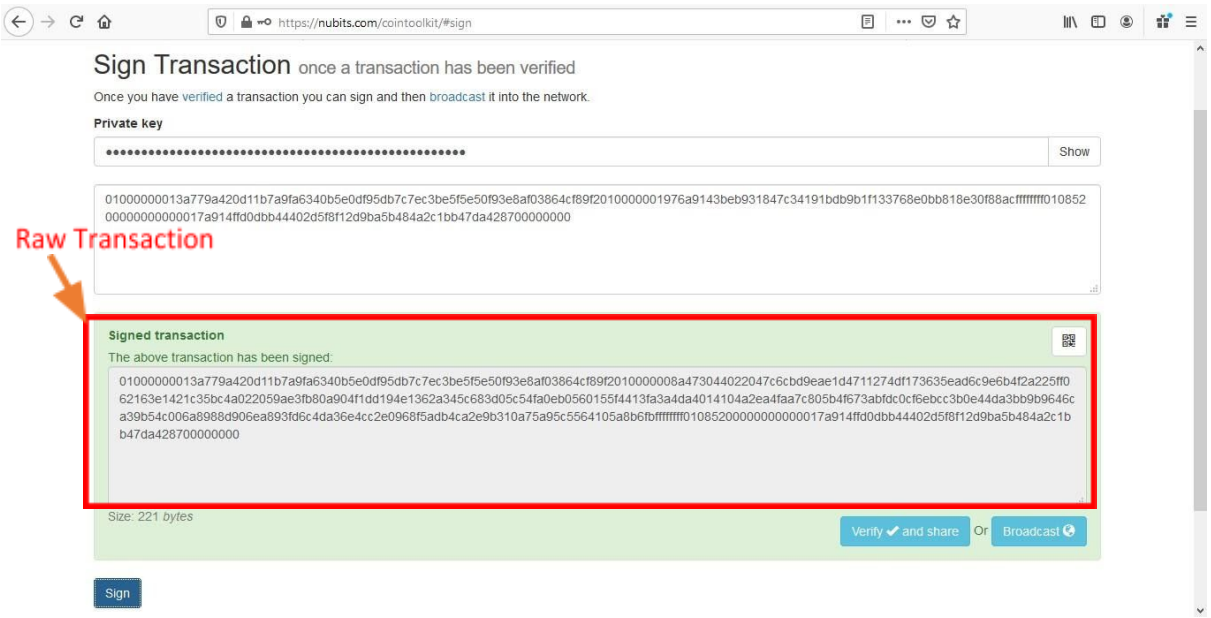


Now Click on “Continue to Sign” button to sign the transaction.

Step-9: To sign the transaction you need to enter your private key that we captured when we created out wallet. Now click on “Sign” button.



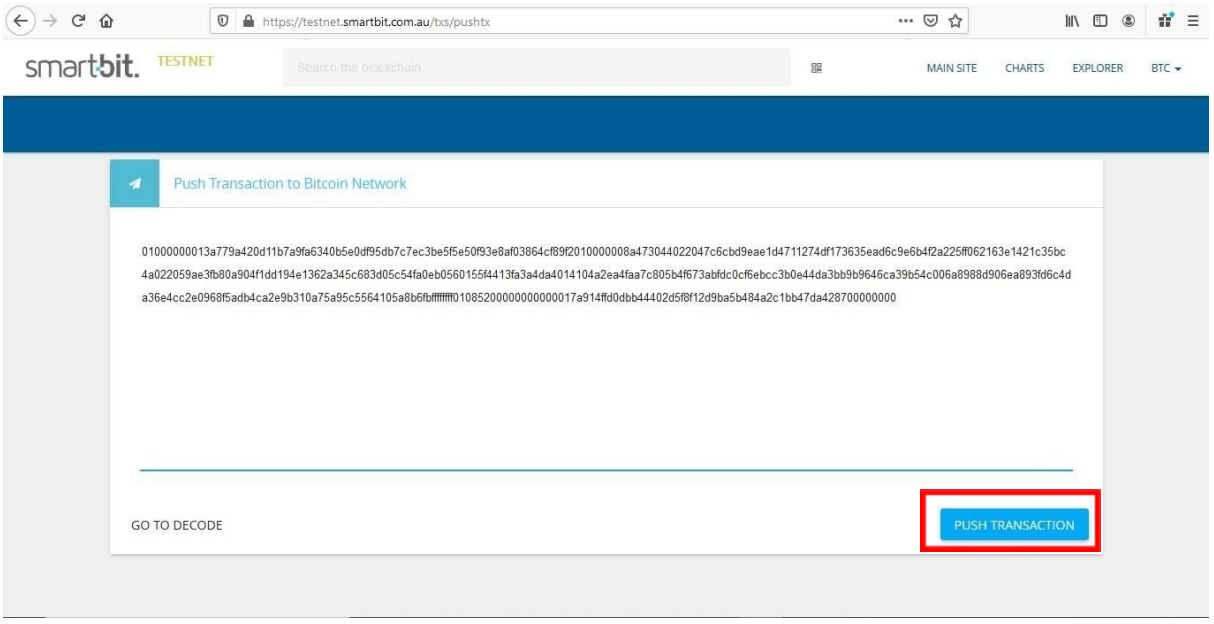
Step-10: After clicking the sign button you will see something like below screen. This website will not broad cast your transaction. To broadcast transaction we need to go to another side and we need to copy the raw transaction.



Step-11: Now go to this URL:

https://testnet.smartbit.com.au/txs/pushtx

And paste your raw transaction here and click on “PUSH TRANSACTION” button.



Step-12: You successfully performed the transaction. To check you can click on the link provided on the screen.