

# ***Testo: A Cryptocurrency Made for Test***

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**Abstract.** The system that I have developed was made to see how a cryptocurrency works in a simple way, and will be useful in the future, so if you want to learn how a cryptocurrency works, you must look at the source code, and do an analysis function per function.

## ***1. Introduction***

The idea to make a cryptocurrency like this, came when I was studying how bitcoin and others cryptos works, but not only in a theory way, but in a code way, and the most part of the teachers doesn't teach how it really works in a practice way, so when I was in Udemy, I've founded this course "Build a Blockchain & Cryptocurrency | Full-Stack Edition" that I will put in References if you want to learn how to make this crypto by the start until the end, however, it's good to remember that I've made some modifications in the system, so it's obviously that the system will not be the same if you only do the course.

## ***2. Functions***

This coin has basically all the basic functions of bitcoin, and works almost in the same way, being the most different thing, the system of network, and the access to the wallet that are so different compared with the bitcoin, in the case of the network the difference is the use of the pub nub app, to peers' interaction with others peers, this is not so recommended for a crypto, but the system would be much more complex if the p2p network of bitcoin would've been implemented, and the access to the wallet, it's

different because your “wallet” is the site that you access that have your public address and your balance, being your “private key” the url of the site, so keep this a secret if you want to protect your testos (it's important to remember that i can obviously see all urls of all websites in my heroku so no unfortunately Testo is not really secure but as it is made just for learning purposes, it makes no sense for anyone to take Testos from someone). Otherwise, everything else is basically the same as bitcoin, transactions that use the UTXO's system, the blockchain, the consensus protocol that uses the Proof of Work system, etc.

### ***3. Specifications***

Testo has a capacity of peers that is of 4, I know this is little, but remember this a coin just made for test features, and learn better the aspects of a basic crypto, so if you want to use the Testo but all the peers are occupied, implement yourself, using the source code, for make it works, you just have to put your pubnub credentials in the folder called app, in a file called “pubsub.js”, and will work just fine in a other network that will have no relation with the principal. Other specification that Testo has, is a difficulty that is always updating block per block so it's so much more precise and good for reach the estimated time that a block have to have that is 30 seconds, other thing is the prize of block that is 50, and doesn't exist halving in testo so it's a coin that will always be fabricated if someone uses it, but for miner don't gain so much money, Testo is free and fees are inexistent, so Testo is not only faster but is completely without fees when compared with the bitcoin. Another thing is the block of testo doesn't have a limit of size, so even if a block has 10 thousand transactions, all of them will be computed, verified, and confirmed by the miners, finishing this process when they put them in blockchain, that will be always verified too.

### ***4. Features***

Testo has some features that are cool, and I don't see so much coins implementing this in their systems, one feature that is cool is the "Known Address", that shows the address that have appeared in the blockchain for if you want to send Testo for someone, but don't know the address exists.

## **5. Conclusion**

This coin it's not for use in a normal way, and it wasn't made with the intention to make money, this coin is more for people who want to learn and discover how bitcoin was made but in a format of code, so enjoy this system, and all the things that helped me to do this coin I will put in the References.

## **References**

[1] "Bitcoin", <http://www.bitcoin.org>

[2] "Build a Blockchain & Cryptocurrency | Full-Stack Edition",  
<https://www.udemy.com/course/build-blockchainfull-stack>

\*Creator of the "Build a Blockchain & Cryptocurrency | Full-Stack Edition" was David Joseph Katz, <https://www.udemy.com/user/54cd8dd54e49b>

[3] "Source Code of Testo", <https://github.com/CryptoVictor/Testochain>