SendLock newFunctionaliTee

This project introduces and demonstrates a technique by which an NFT project can provide a secure way to store the assets of the project in a hot wallet. The idea is that after the asset is minted the holder registers a send address to the contract that will be used for the next send transaction. After registration, if anyone performs a send transaction on that resource, it will be delivered to the registered address rather than the requested address.

This functionality helps address the problem of losing assets to a second person that is able to sign transaction on the same address (hacked accounts).

The protocol requires action on behalf of the asset holder. After the asset is minted, it should be transferred to the wallet in which it will be used. Once in that wallet, the user needs to register the next location to where the resource will be sent. This should be a second wallet owned by the same user that is not associated with the first wallet. Once a send address is registered, it cannot be changed. The next time the asset is send, the contract will send the resource to the registered address rather then the requested address.

This functionality basically means the contract will guarantee the delivery of the resource to the registered address on the next send.

If a hacker gets control of the private keys (or they log into a wallet like Metamask), they will not be able to change the registered location for the next send. And, if they try to send it to their own address, that will get overwritten.

Minting

The minting cost will be 5 tfuel. The mint will be limited to 42 NFTs.

Image

There are two images for this NFT. One is truther.png and the other is speeder.png. The contract offers the user the ability to flip the NFT for 3 tfuel.

HashTable

The main project metadata file is sendlock.json. This file will hold the hashtable used by this project. nftGenCon.exe can be used to validate all files.

Details

The sendlock NFT is a standard 721 contract with a couple additional routines and, of course, the sendlock functionality.

Conclusion

There are no extra promises provided with this NFT. Only accounts that mint the NFT qualify for receiving a version of nfGenCon.exe v1.0 for Windows. The offer expires 3 months after the first NFT is minted from this contract.