

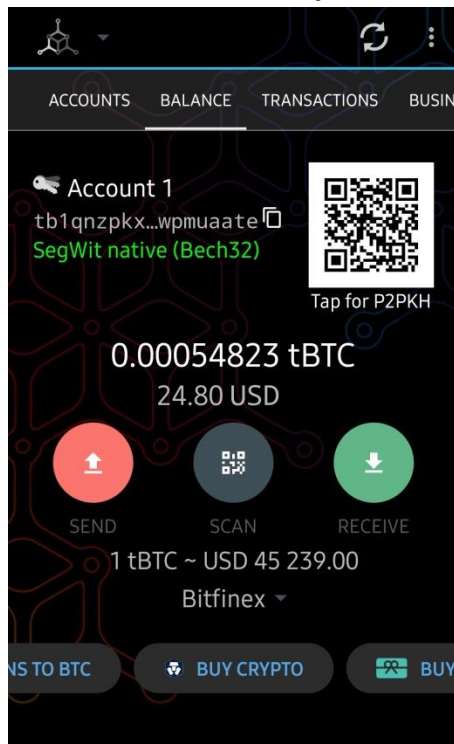
Assignment 1

Cryptowallet Exploration

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➤ Android wallet : Mycelium

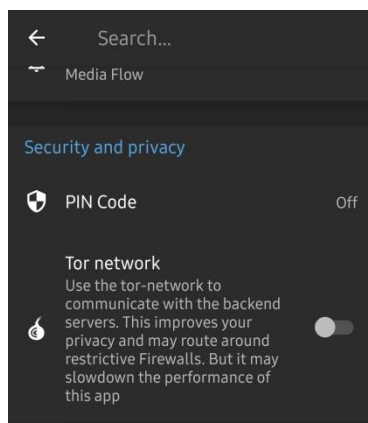


➤ Features:

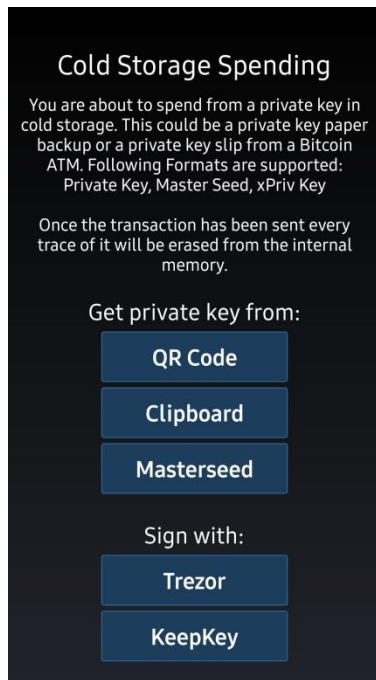
- Secures your Bitcoin Private keys on the device itself, without trusting any third party or hosted services.



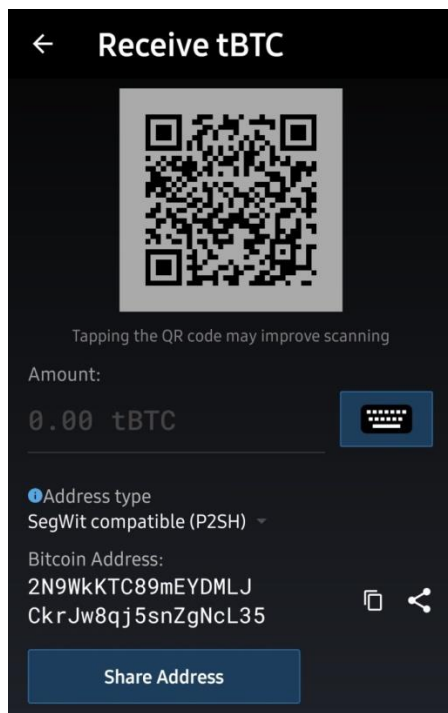
- Mycelium is an HD wallet. HD is short for ***Hierarchical Deterministic***. All HD wallets use Master Seed Key which is a string of 12 random words. This seed is used to derive all further bitcoin addresses in a sequential manner. Each of this new address is calculated by appending a counter to the end of the initial seed key.
- No block chain download - install and run in seconds
- For enhanced privacy and availability you can connect to our super nodes via a tor-hidden service (*.onion* address)



- Mycelium supports the following cryptocurrencies:-
 - Bitcoins (BTC)
 - Ethereum (ETH)
 - Tether USD (USDT)
 - USD Coin (USDC)
 - Huobi Token (HT)
 - Binance USD (BUSD)
 - Zero X (ZRX)
- Cold storage in the context of Bitcoin refers to storing Bitcoins offline and spending without the private keys controlling them ever being online. This resists theft by hackers and malware, and is often a necessary security precaution especially dealing with large amounts of Bitcoin. Mycelium has option to transact from a cold storage wallet. It can import private keys and can also sync them from a hardware wallet as well.



- Receiving test bitcoins (tBTC) in Mycelium
- Copying the address and using test faucet (<https://bitcoinfaucet.uo1.net/send.php>) to receive bitcoins



Bitcoin Testnet Faucet

Current wallet balance is ₿ 424.189. You can get up to ₿ 0.00073.

0.0001 coins sent to 2N9WkKTC89mEYDMLJCkrJw8qj5snZgNcL35

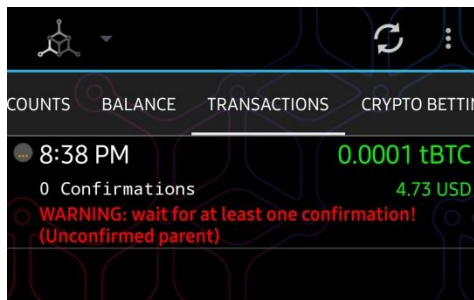
₿ 2N9WkKTC89mEYDMLJCkrJw8qj5snZgNcL35

0.0001

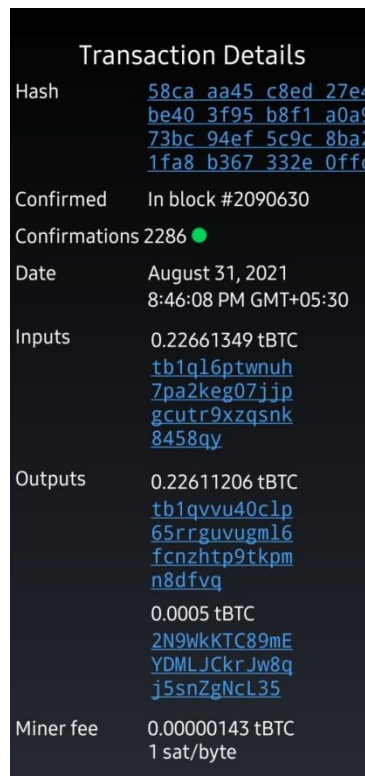
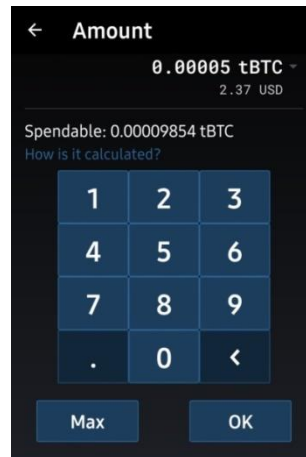
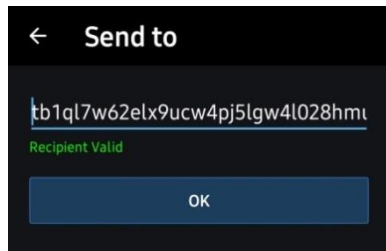
Send testnet bitcoins

BTC Address

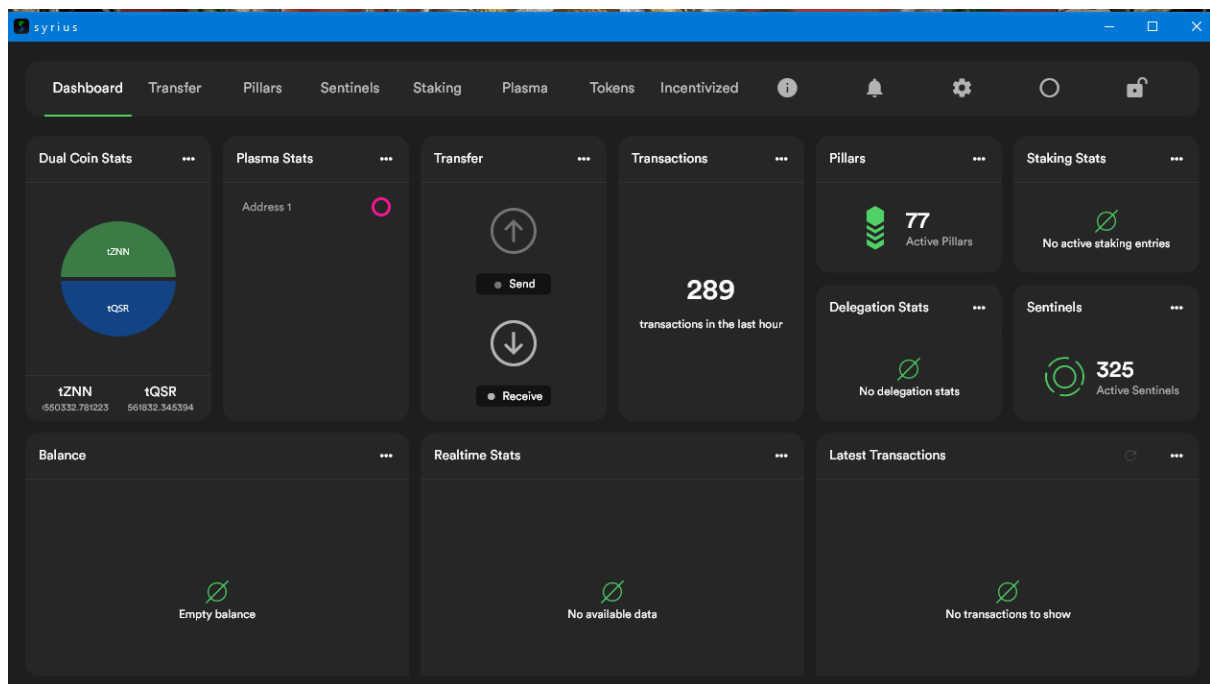
Send coins back, when you don't need them anymore: [tb1ql7w62elx9ucw4pj5lgw4l028hmuw80sndtntxt](https://bitcoinfaucet.uo1.net/send.php)



➤ Sending test Bitcoins



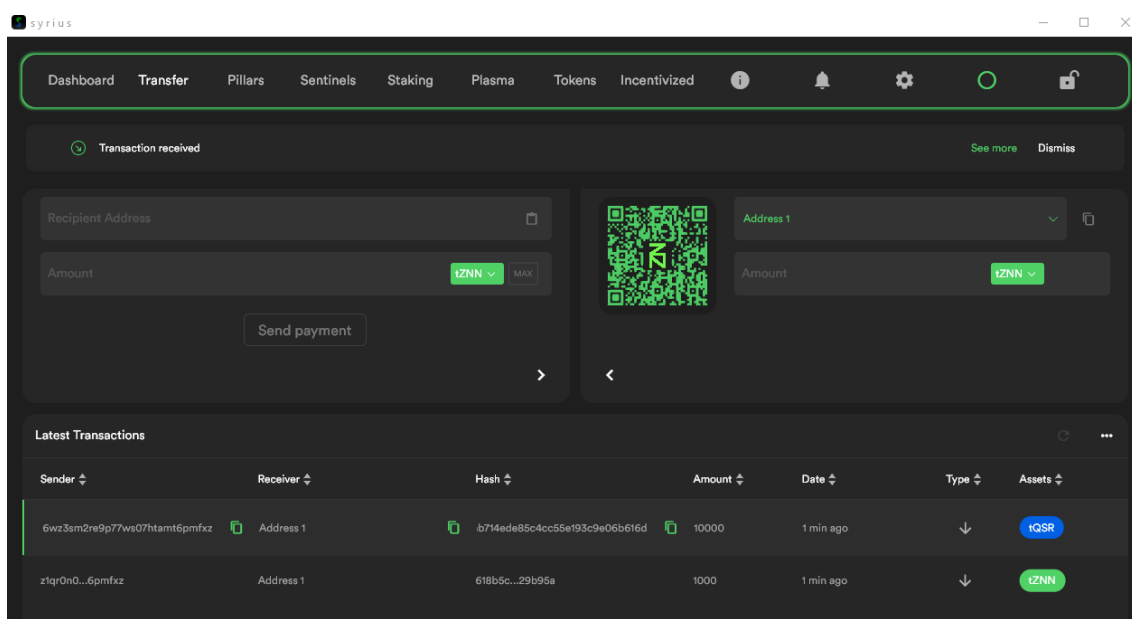
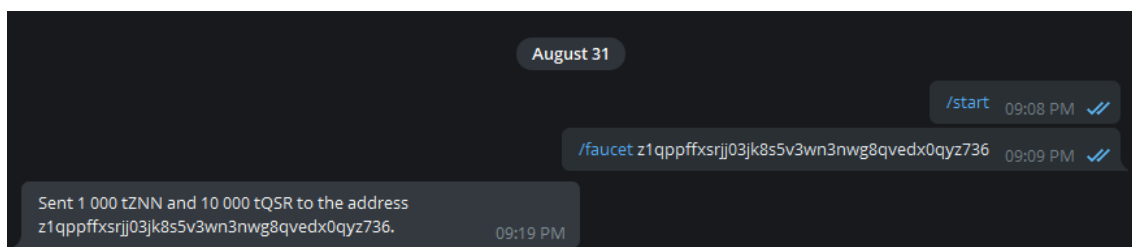
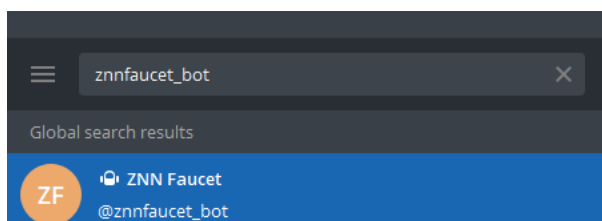
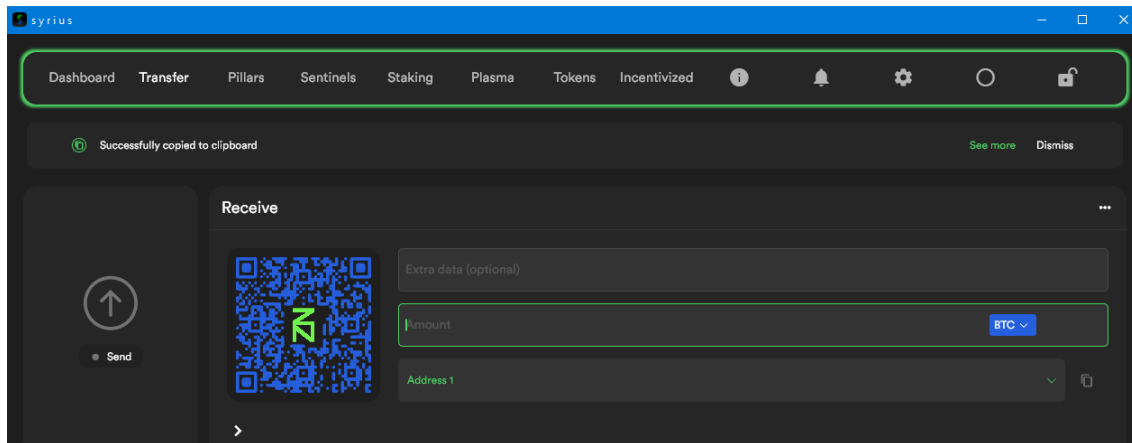
➤ Desktop wallet : Syrius



➤ Features:

- Syrius is testnet of Zenon Alphanet
- Two cryptocurrencies used
 - ZNN
 - QSR
- Uses NoM protocol .It uses a dual-ledger approach, consisting of
 - meta-DAG → used for the consensus layer, containing the transactions required by the virtual voting algorithm
 - block-lattice data structure → used to store data from transactions that are settled in the network,
- Sharding → Spread out the computational and storage workload across a peer-to-peer (P2P) network so that each node isn't responsible for processing the entire network's transactional load.
- Has four types of participants - Pillars, Sentinels, Stakers and Delegators
- Pillars → participate in consensus protocol (Consensus protocols form the backbone of blockchain by helping all the nodes in the network verify the transactions) and have information about the transactions made in the network by users.
- Sentinels → similar to a Pillar node, but only acts as an observer, it doesn't participate in the consensus algorithm. Ensure the stability of the network
- Staker → They offer economic stability for the network

- Delegator → They delegate ZNN to support Pillar Nodes
- Receiving cryptocurrency in Sirius
- To receive funds we need to send a message to @znnfaucet_bot in telegram.



➤ Sending Cryptocurrency in syrius

syrius

DashboardTransferPillarsSentinelsStakingPlasmaTokensIncentivized

Successfully copied to clipboardSee moreDismiss

Send

z1qr0n0x0qaw6wz3sm2re9p77ws07htamt6pmfzx

500tZNNMAX

Send fromAddress 1Extra Data (optional)Send payment

1000 tZNN available

Latest Transactions

Sender	Receiver	Hash	Amount	Date	Type	Assets
z1qr0n0...6pmfzx	Address 1	4fd9fa...6b616d	10000	1 min ago	↓	tQSR
z1qr0n0...6pmfzx	Address 1	618b5c...29b95a	1000	2 min ago	↓	tZNN

syrius

DashboardTransferPillarsSentinelsStakingPlasmaTokensIncentivized

Sent 500 tZNN to z1qr0n0x0qaw6wz3sm2re9p77ws07htamt6pmfzxSee moreDismiss

tQSR

tZNN

000550337.321962561899.636

Send

↓

Receive

413

transactions in the last hour

Delegation Stats

No delegation stats

Sentinels

325

Active Sentinels

Balance

z1qppffxsrrj03jks5v3wn3nwg8qvdx0qyz736

tZNN500tQSR10000

Realtime Stats

tQSR transactions (blue line), tZNN transactions (green line)

25 Aug 26 Aug 27 Aug 28 Aug 29 Aug 30 Aug 31 Aug

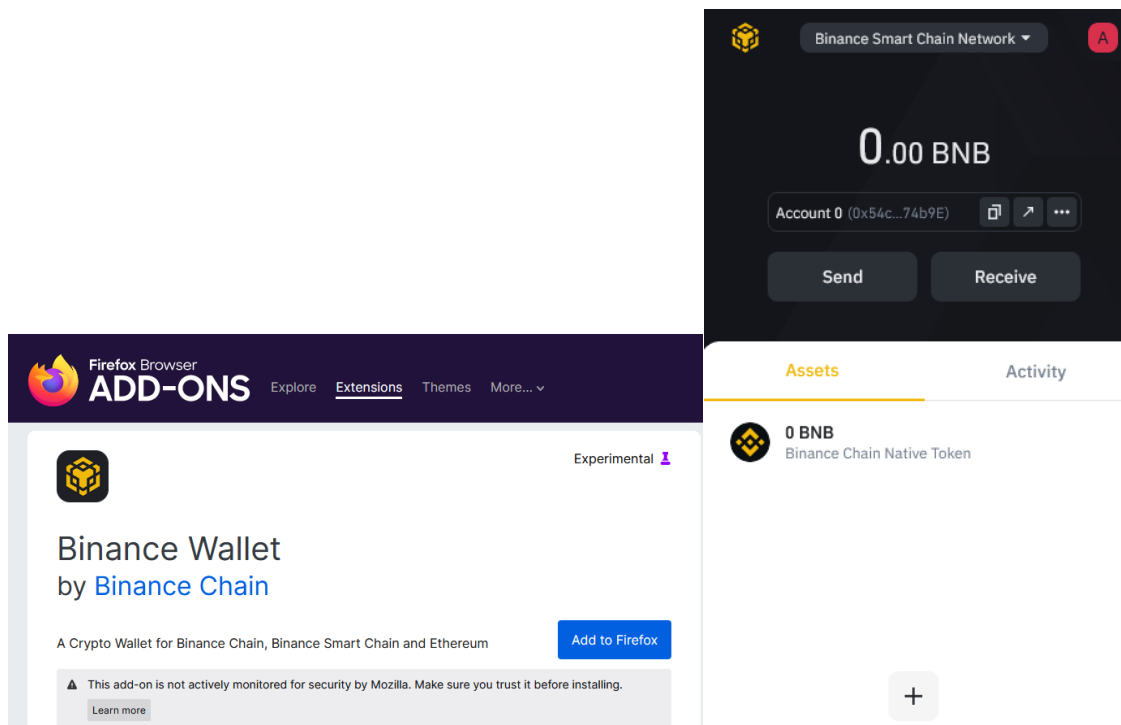
Latest Transactions

Sender	Amount	Date	Type	Assets
Address 1	500	9 s ago	↑	tZNN
z1qr0n0...6pmfzx	10000	2 min ago	↓	tQSR
z1qr0n0...6pmfzx	1000	3 min ago	↓	tZNN

Latest Transactions

Sender	Receiver	Hash	Amount	Date	Type	Assets
Address 1	z1qr0n0...6pmfzx	e88504...4e2528	500	29 s ago	↑	tZNN
z1qr0n0...6pmfzx	Address 1	4fd9fa...6b616d	10000	2 min ago	↓	tQSR
z1qr0n0...6pmfzx	Address 1	618b5c...29b95a	1000	3 min ago	↓	tZNN

➤ Web wallet : Binance Wallet

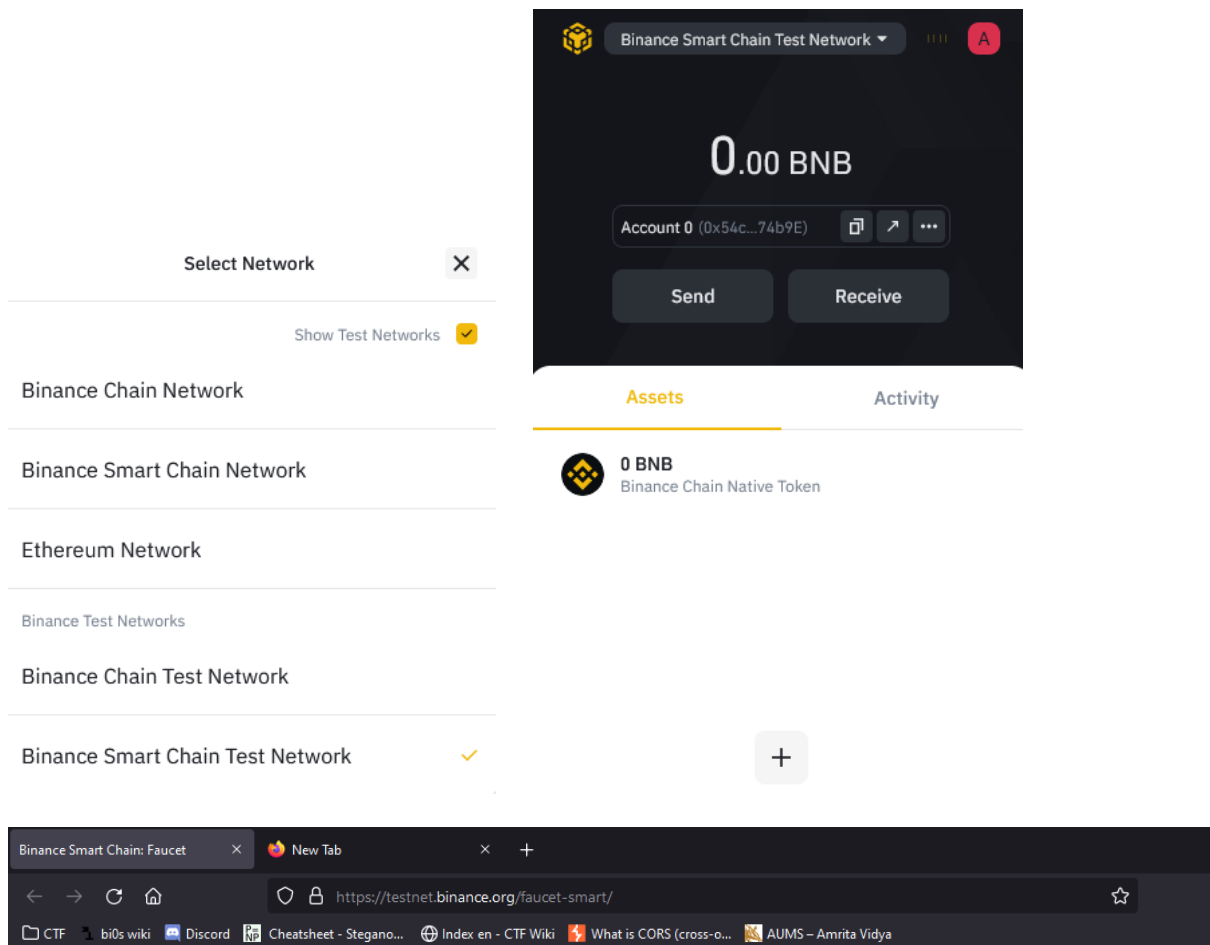


➤ Features

- Uses something called Proof of Staked Authority (or PoSA), where participants stake BNB to become validators. If they propose a valid block, they'll receive transaction fees from the transactions included in it.
- BNB in of three different forms:
 - BNB BEP-2 on the Binance Chain.
 - BNB BEP-20 on the Binance Smart Chain.
 - BNB ERC-20 on the Ethereum network.

➤ Receiving cryptocurrency in Binance Wallet

- Using Binance faucet (<https://testnet.binance.org/faucet-smart/>) to receive test BNB



Binance Smart Chain Faucet

Give me BNB ▾Peggy tokens ▾

a few seconds ago



1 peers



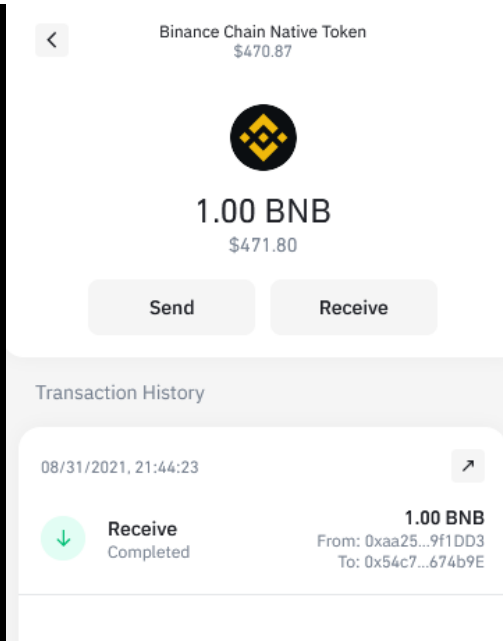
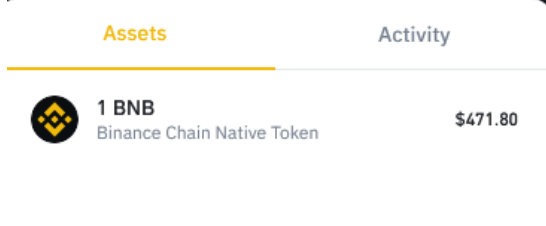
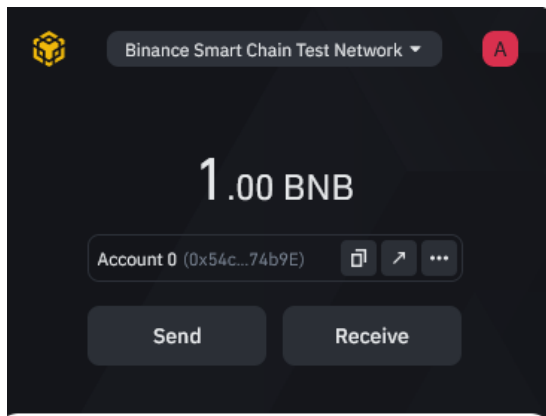
11963392 blocks



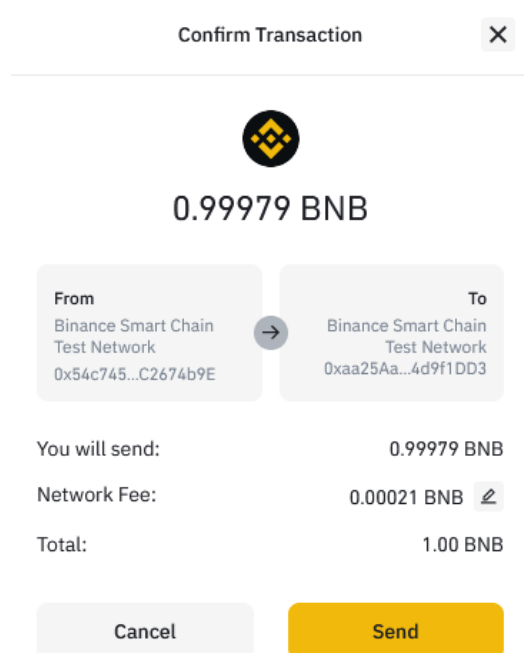
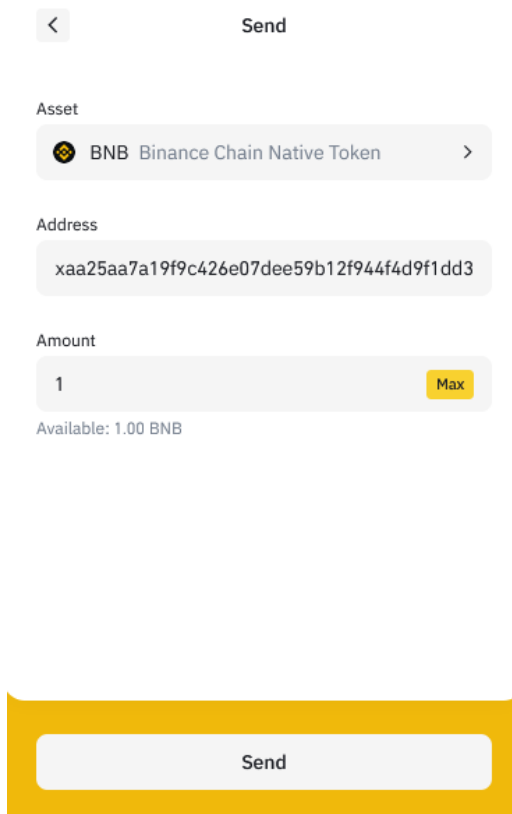
2572272 BNBs



2022374 funded



➤ Sending cryptocurrency in Binance Wallet



Assets

Activity

08/31/2021, 21:47:11



Send
Completed

0.99979 BNB

From: 0x54c7...674b9E
To: 0xaa25...9f1DD3

08/31/2021, 21:44:23



Receive
Completed

1.00 BNB

From: 0xaa25...9f1DD3
To: 0x54c7...674b9E