



# Genaro Sharer Users Guide (Window/Mac Version)

The first smart data ecosystem with a dual-strata architecture  
integrating blockchain and storage layers

V2.0

# Contents

|  |           |
|--|-----------|
| <b>GENARO SHARER INTRODUCTION .....</b>  | <b>4</b>  |
| GENARO SHARER OVERVIEW.....  | 4         |
| <b>DEFINITION .....</b>  | <b>5</b>  |
| <b>GENARO SHARER MANUAL.....</b>   | <b>7</b>  |
| DOWNLOAD AND INSTALLATION.....   | 7         |
| CREATE/IMPORT WALLETS.....   | 7         |
| SHARE HARD DISK SPACE / SETTINGS PROFILE.....  | 10        |
| STAKE, BIND NODE ID .....  | 13        |
| VIEW THIS COMMITTEE .....  | 16        |
| CO-BUILD NODE.....   | 17        |
| ASSET MANAGEMENT .....   | 21        |
| WALLET MANAGEMENT .....  | 23        |
| OTHERS.....  | 25        |
| REWARD MODEL .....   | 25        |
| <b>FAQ.....</b>  | <b>28</b> |
| 1. WHEN CAN I START TO EARN REWARDS BY SHARING HARD DRIVE SPACE?.....  | 28        |
| 2. WHAT ARE THE BENEFITS OF SHARING NODES? HOW TO CALCULATE? .....   | 28        |
| 3. HOW DO I SHARE HARD DISK SPACE BY USING SHARER AND BECOME GENARO'S DATA STACK NODE TO GET STORAGE REVENUE? .....  | 30        |
| 4. HOW CAN I BE ELECTED AS A COMMITTEE MEMBER AND GET MINING REWARDS?.....   | 30        |
| 5. WHAT IS THE COIN POOL? WILL THE TOTAL AMOUNT CHANGE?? .....   | 30        |
| 6. AS A DATA STACK NODE OF GENARO, HOW IS IT RANKED AND HOW DO WE CALCULATE THE WEIGHTED VALUE?.....   | 31        |
| 7. WILL I BE PENALIZED IF I STOP SHARER STORAGE SHARING (MANUAL PAUSE OR BLACKOUT), OR DELETE FILE DATA STORED IN THE NODE PATH?.....                                    | 31        |
| 8. AS A MASTER NODE OF THE COMMITTEE, WILL I BE PENALIZED IF I STOP SHARER STORAGE SHARING (MANUAL PAUSE OR BLACKOUT), OR DELETE FILE DATA STORED IN THE NODE PATH?..... | 32        |
| 9. AS A SHARING NODE OF GENARO, WHY DO YOU NEED TO DOWNLOAD TWO PROGRAMS WHEN YOU WANT TO GET MINING REVENUE?.....   | 32        |

|     |  |           |
|-----|--|-----------|
| 10. | WHY IS THE "CURRENT RANKING" INFORMATION DIFFERENT FROM THE "CURRENT COMMITTEE MEMBER LIST" ?  | 33        |
| 11. | WHY IS THE "LIST OF CURRENT COMMITTEES" DIFFERENT FROM "CURRENT RANKINGS" DIFFERENT?.....  | 33        |
| 12. | WHY IS THE "CURRENT RANKING"" TEAM INFORMATION DIFFERENT FROM THE "JOINING CO-BUILD " TEAM INFORMATION DIFFERENT?.....   | 33        |
| 13. | DO YOU HAVE TO BE PUBLIC IP? CAN I SHARE WITHOUT PUBLIC IP?.....   | 33        |
| 14. | AFTER SHARING THE NODES, THE BRIDGES ARE DISCONNECTED. AFTER THE BRIDGES ARE CONNECTED, THE PORT SHOULD BE DISPLAYED IN GREEN, WHAT ACTIONS NEED TO BE TAKEN IF THE PORT DOES NOT SHOW IN GREEN? | 34        |
| 15. | HOW TO SET THE CONFIGURATION FILE TO ENSURE THE NORMAL OPERATION OF THE NODE?.....   | 34        |
| 16. | HOW MANY ASSETS ARE REQUIRED TO STAKE, HOW MANY ASSETS NEED TO BE STAKED ON A NODE?.....   | 35        |
| 17. | IS THERE A REQUIREMENT FOR THE SHARER BANDWIDTH OR HARD DRIVE?.....  | 35        |
| 18. | DO YOU NEED AN 8T HARD DRIVE TO STAKE 5000GNX? WHAT IS THE RELATIONSHIP BETWEEN STAKING ON GNX AND HARD DRIVE SHARING SPACE?.....  | 35        |
| 19. | HOW CAN I MAKE SURE WHETHER I HAVE BEEN CONNECTED TO THE PUBLIC IP? .....  | 36        |
| 20. | HOW CAN I TELL IF MY STAKE IS SUCCESSFUL?.....   | 36        |
| 21. | DOES THE STAKE NEED TO COST GAS FEE?.....  | 36        |
| 22. | WHAT DO THE COLORS AT THE PORT MEAN?.....  | 37        |
| 23. | WHY DO I NEED TO STAKE IN SHARER? IF I DON'T SHARE, CAN I SHARE MY FREE SPACE WITH SHARER?....   | 38        |
| 24. | CAN I WITHDRAW MY GNX AFTER I STAKE? HOW TO WITHDRAW THE STAKE?.....   | 38        |
| 25. | DOES GENARO CHARGE FOR THE OPERATIONS?.....  | 39        |
| 26. | WHAT IF I FIND A SHARER RUNNING PROBLEM? .....   | 39        |
| 27. | HOW TO BECOME A STABLE NODE? ARE THERE ANY REQUIREMENTS?.....  | 39        |
| 28. | CAN I STILL GET A REWARD IF NO DATA IS ASSIGNED TO MY STORAGE NODE?.....   | 39        |
| 29. | IS IT NOW SUPPORTED TO STORE OTHER ERC-20 TOKENS? WHAT SHOULD I DO IF I TRANSFER TO ANOTHER ERC-20 TOKEN? HOW TO GET IT BACK?.....   | 40        |
| 30. | CAN I RUN SHARER WITH MY NAS DEVICE?.....  | 40        |
|     | <b>DOWNLOAD AND CONTACT US .....</b>   | <b>41</b> |
|     | DOWNLOAD GENARO SHARER.....  | 41        |
|     | CONTACT US.....  | 41        |

# Genaro Sharer Introduction

## Genaro Sharer Overview

Genaro Eden Sharer (Genaro Sharer for short) is an economic, dual-strata cloud storage sharing network. The specified storage space can be shared, and when the Genaro Eden users upload the file fragments, the sharer gets the corresponding GNX storage reward. If the sharer's node is of good quality and the heft score can be added to the committee, you can also run the miner program to get the Genaro Network's block-package bonus and the fee generated by the Genaro Network transaction. The goal is to establish a token model through the principle of the sharing economy and release the social idle storage space and generate value.

## Definition

### **Data Stack:**

The data stack refers to all nodes that share hard disk space through Genaro Sharer, storing user data and maintaining the Genaro storage network.

### **My sharer:**

I share my hard drive space and become a Genaro Network data stack node, thus maintaining the operation of the Genaro storage network. When a user stores a file slice uploaded by Genaro Eden, all sharers will receive a GNX storage reward.

### **Committee:**

After the Mainnet goes online, if you staked more than 500,000 GNX, and your data stack node heft value ranked within 31, it will become a member of the next Genaro Network committee. While gaining the benefits of the storage network, you can also run the miner program, synchronize the entire network block, and get the whole network outbound package reward and the whole network transaction fee reward of the Genaro Network.

### **Stake:**

If you want to become a data stack sharer in the Genaro Ecosystem, you can get the Genaro Eco-Token Award by sharing the storage space and by staking corresponding GNX to Genaro to prove that it is a reliable data stack. After the stake, the stake heft will be obtained. And only after staking can you stake the shared node space to get the sharing revenue.

In the Genaro sharing ecosystem, the number of stakes will affect the heft ranking of the data stack for that wallet address. Of course, if the node acts wrongly, the system will also impose penalties in the form of deducting the corresponding hefts. In case of seriousness, some corresponding stakes will be deducted.

### **Binding node:**

Once the stake is successful, the shared node ID can be bound to the stake wallet. Thus the bound wallet can gain the revenue and share the heft of the shared hard disk space.

**Heft:**

Heft refers to the overall performance of the data stack's contribution to the Genaro storage network. The hefts are the stake hefts and the storage hefts. The more assets staked, the higher the heft of the stake and the higher the total heft. The larger the storage space, the more files are stored, and the longer the storage time, the higher the storage heft and the higher the total heft.

**Heft ranking:**

The heft ranking refers to the total heft ranking of the entire network data stack. The top 31, of those who has staked more than 500,000 GNX of the committee will be appointed as a separate committee to maintain network operations, run the Miner program, and get block rewards and transaction fee rewards.

**Co-built nodes:**

Users can build data stack nodes by joining other nodes. This helps the joined nodes get a higher heft ranking. After the team's intention is reached, the team's status will take effect at the next committee ranking. The applicant's heft will be added to the applicant's heft statistics, and they will not be ranked by their own heft. If a co-built node joins after the team enters the committee, then the application node will also receive the commission's mining bonus. The amount of the bonus is determined by the applicant's stake amount as a percentage of the total amount staked by the committee (for more details, see the income model below).

# Genaro Sharer Manual

## Download and Installation

### 1. Download and Installation

After downloading and installing the G-BOX client, open the Genaro Sharer client.

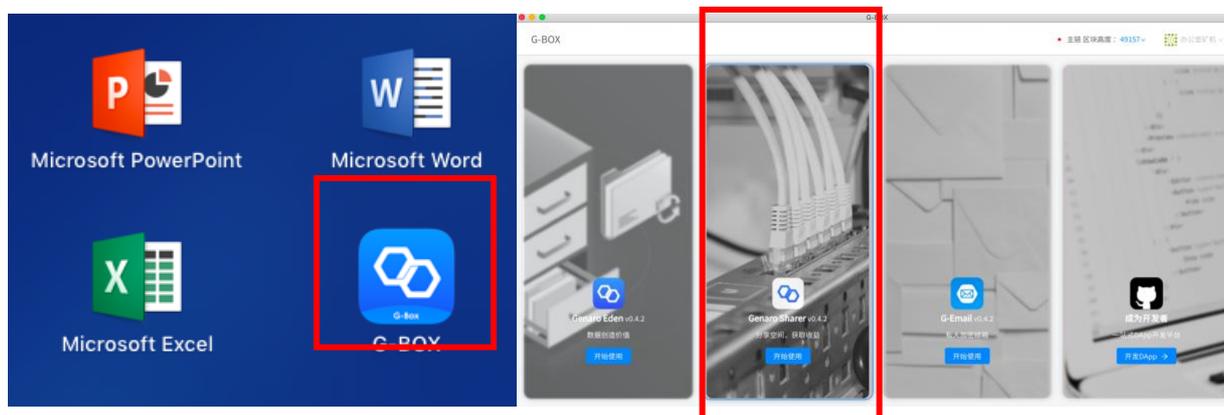
(Please look for the only official download address of Genaro)

Mac version download address:

<https://genaro-release.oss-cn-hangzhou.aliyuncs.com/gbox-1.0.0.dmg>

Windows version download address:

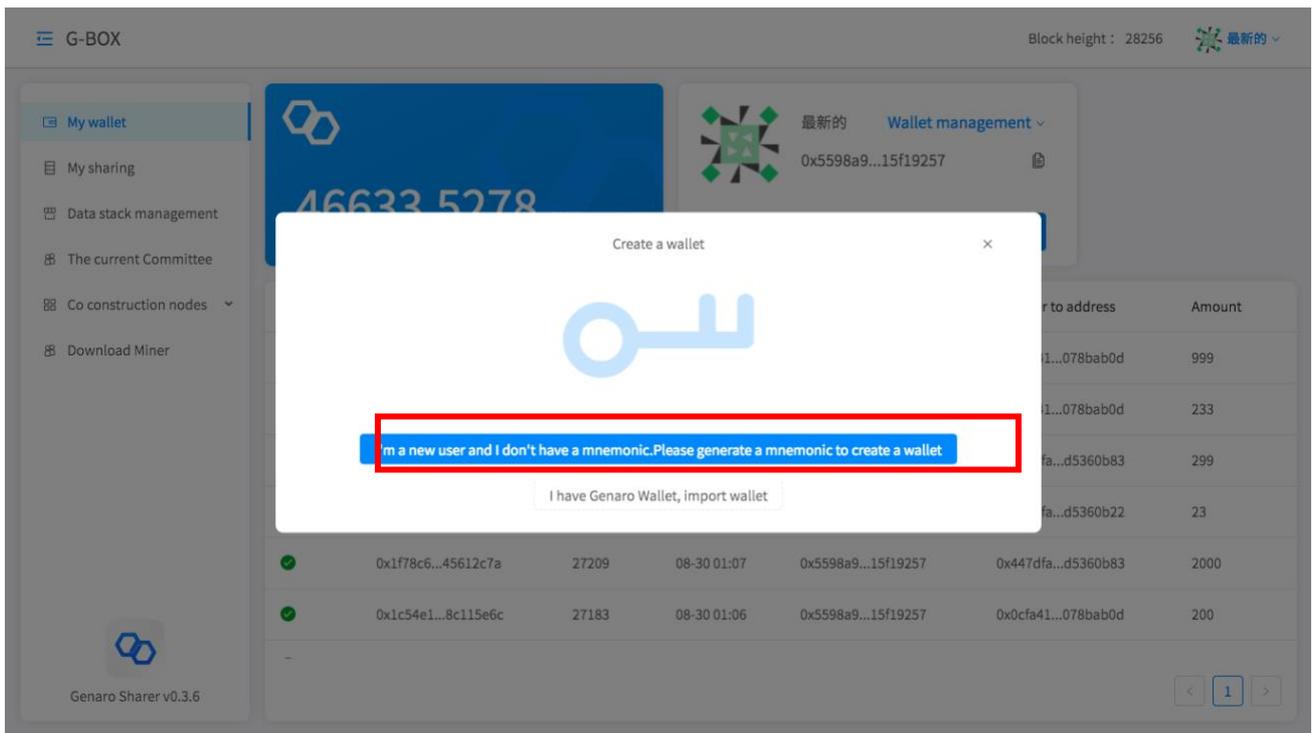
<https://genaro-release.oss-cn-hangzhou.aliyuncs.com/gbox-1.0.0.exe>



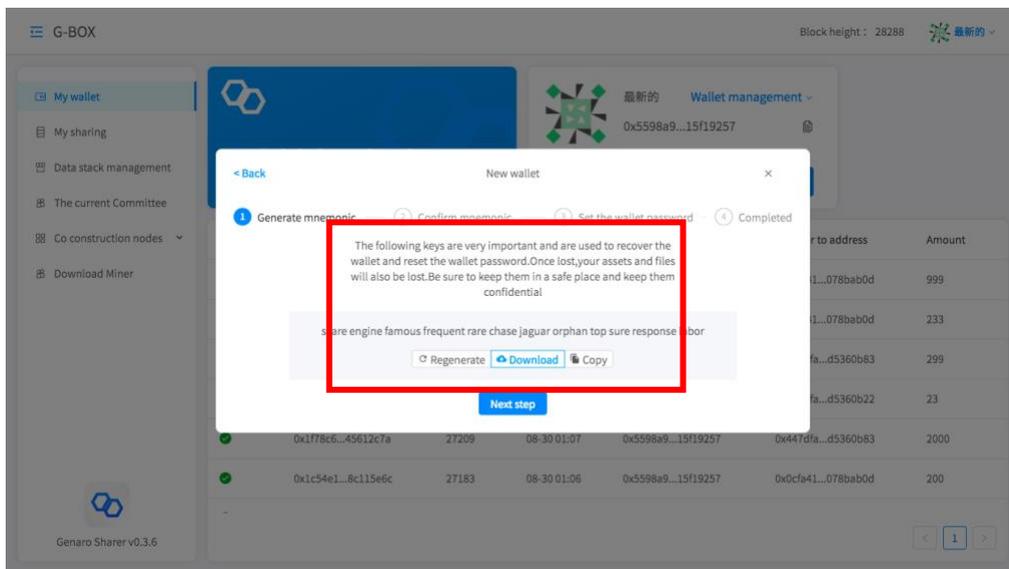
## Create/Import Wallets

### 1. New users create wallets

Generate a new key (mnemonic) directly, generate a wallet.



The first step is to generate a 12-word mnemonic and keep it safe; the second step is to confirm the backup mnemonic, then enter the 12-word mnemonic again, and click “Confirm” to generate the wallet successfully;



The third step is to set and remember the wallet password; the fourth step is to confirm the wallet information and generate the wallet.

- **Important Notes:**

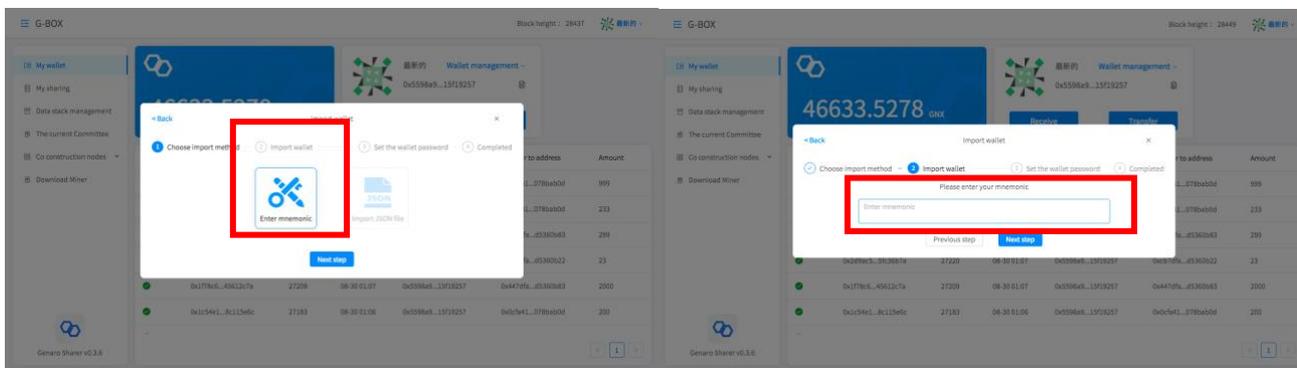
As a decentralized application, Genaro does not store your key (mnemonic) in the Genaro program or on any server and it cannot be retrieved once lost. Please remember and back up the key (mnemonic) of the first login. Your digital assets, stored files are classified as their wallet directory. If the key is lost, the operations, storage files and wallet assets under this key will be lost.

When backing up the key (mnemonic), be sure to pay attention to 2 points:

- a. Your stake: write it down on paper instead of saving it in a networked device.
- b. Verify if the backup mnemonic is correct multiple times. Keep the backup mnemonics in a safe place and do anti-theft and anti-loss measures.

## 2. Import Original Wallet

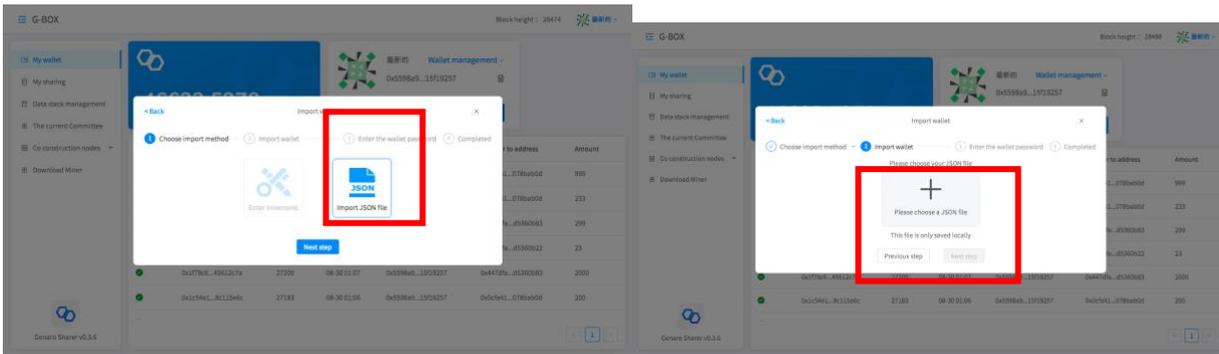
If you already have a Genaro Wallet account, you can import the wallet directly by importing the key (mnemonic) or the wallet's JSON file.



The first step is to choose the way to import the wallet, import it by key (12 mnemonic);

The second step is to enter your mnemonic;

The third step sets and remembers the wallet password; the fourth step confirms the wallet address information and imports the wallet successfully.



Or import the wallet by importing the JSON file.

The first step is to click the import wallet JSON file button; the second step is to upload your JSON file.

The third step is to enter your wallet password; the fourth step is to confirm the information and import the wallet successfully.

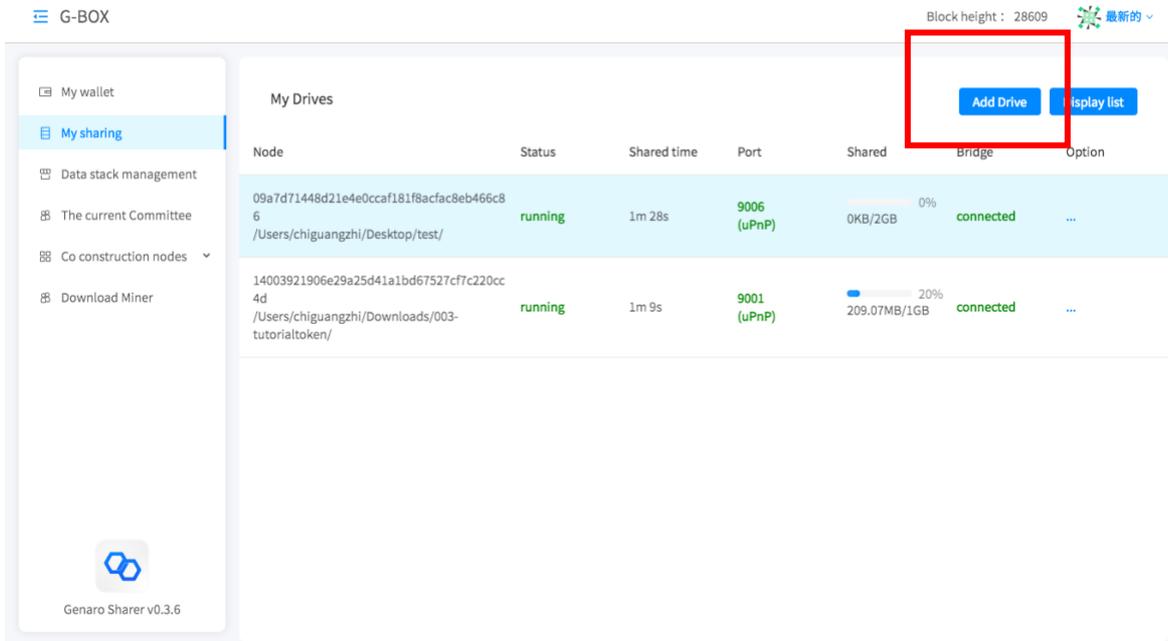
- **Important Notes:**

Please pay attention – you can reset the password if you import the wallet with a key (mnemonic). However, if you import the wallet through the JSON file, you need to enter the original password of the JSON file wallet to import.

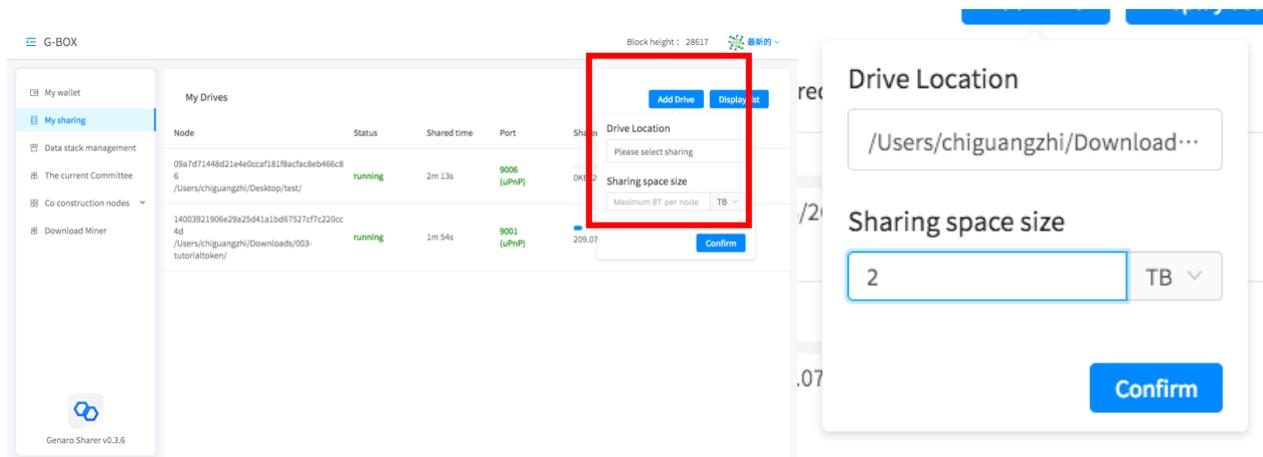
## Share hard disk space / settings profile

### 1. Share my hard drive space.

Go to my sharing interface. Click to add a sharing configuration.



Select the location and capacity of the hard drive you want to share. When the setup is complete, click “OK.”



After the sharing is successful, you can view it in the “My Sharing” management list. If the hard disk sharing is successful, the port displays a green status, and the failure displays a black or red status.

- ID is the unique ID number for this drive;
- Location is the location of the shared hard drive space on the personal hard drive;
- Shared is the total shared space and used space;
- Uptime is the online time for sharing the hard disk. After the restart, this time will be recalculated.;

- “Peers” is the number of peer-to-peer sharing of hard disks. If “peers” is 0, then the sharing is unsuccessful.;
- Allocs is the number of tasks received by the hard disk;
- Bridges means sharing the current connection status of the hard disk. If it is displayed as “Disconnected”, it may be because your network is unstable.;

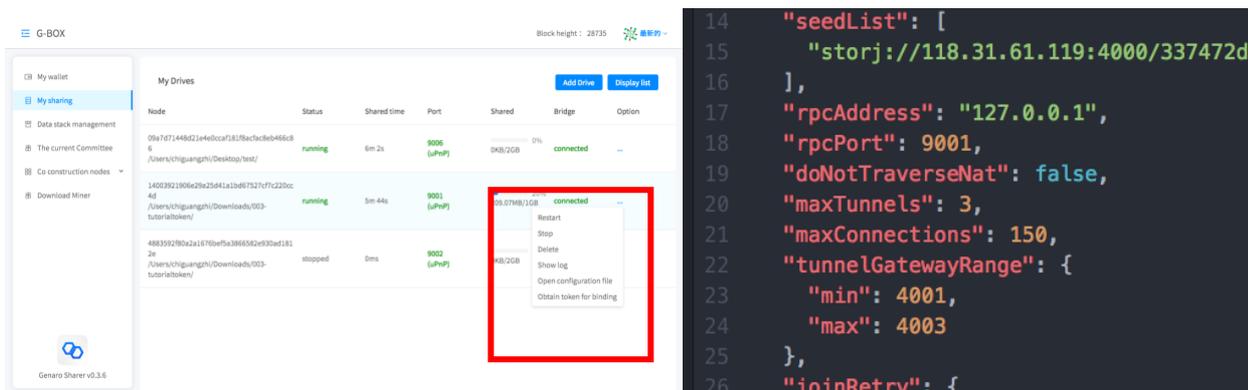
## 2. Modify node configuration

If your node "port" does not display green, it means that the shared node is not working properly. It may be necessary to modify the configuration node's configuration file to modify the node parameters.

Find the menu bar on the right side of the node “•••”, and click “Open Profile” to modify various sharing properties.

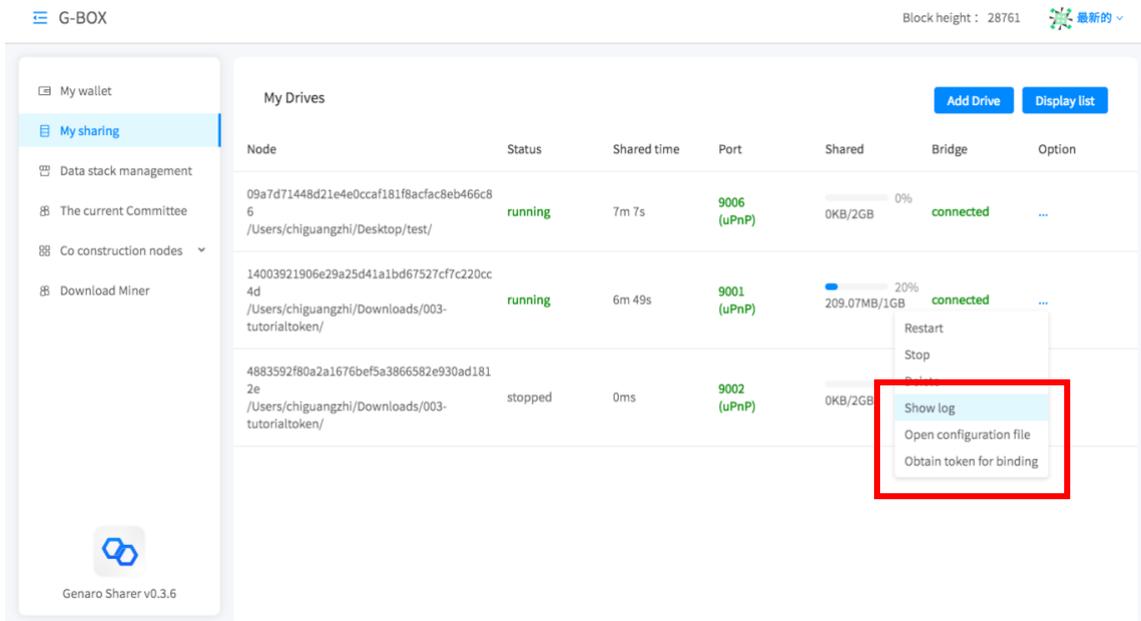
After sharing the node, a configuration file is generated, and the shared attributes are set in this file. There are a few items that need to be customized:

1. The value after “rpcAddress” is changed from 127.0.0.1 to the public IP address of the machine.
2. The value of “doNotTraverseNat” is changed to “true” (if there is a public network ip)
3. The value of “storagePath” is changed to the shared path
4. The value of “storageAllocation” is changed to the size of the shared space. The default is 20G.



## 3. View sharing log

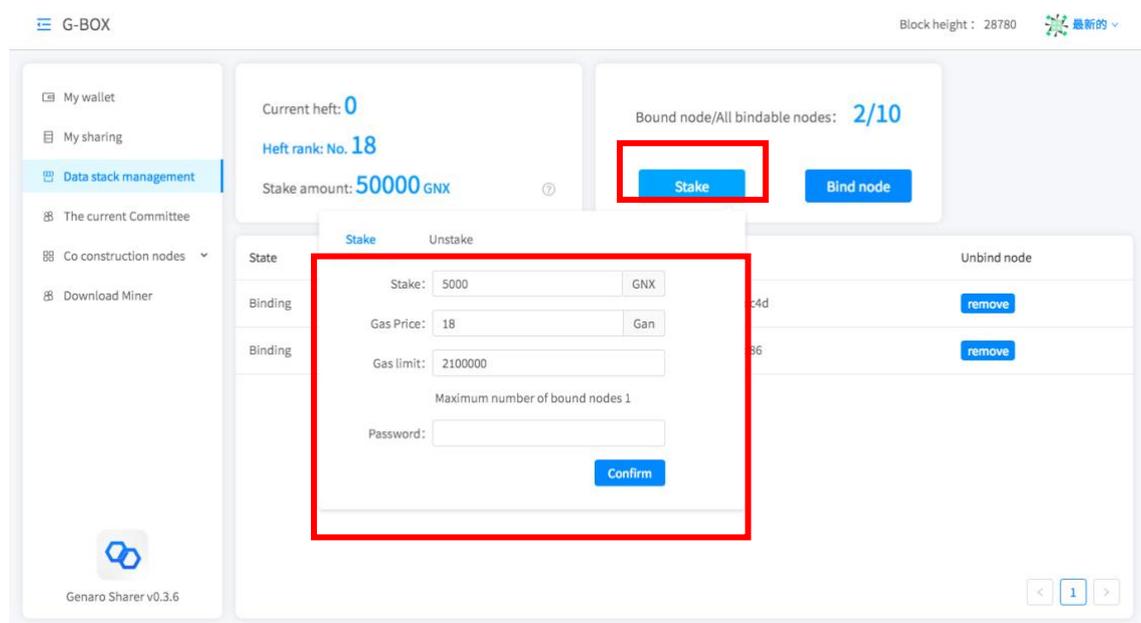
In the menu bar on the right side of the node, click “Show Log” to open the log directory. You can see the sharing status by looking at the log.



## Stake, Bind Node ID

### 1. Stake

Click "Stake" on the "Data Stack Management" interface. Filling in the stake amount will automatically display the total number of shared nodes that you can be bound to. After confirming the information, enter the account password and click to confirm, the stake is successful.



After the stake is successful, your stake amount and the total number of bindable nodes will be displayed in the information bar.

● Note:

a. The minimum amount of stake is 5000GNX, with no upper limit. Every 5000GNX can be bound to a node.

b. The assets staked during the stake cannot be transferred. If necessary, you can cancel the stake by applying. The application will take effect approximately 3 to 5 days later. After the stake is released, the stake asset will be automatically unlocked and the right to use the asset will be restored. After the application is issued, the node bound to the wallet address will no longer receive revenue.

c. The amount of the stake will affect your stake heft ranking, which will affect your total heft ranking. For the 101 committee members, the more the number of stakes, the more rewards are awarded.

## 2. Bind the node ID to get the shared revenue

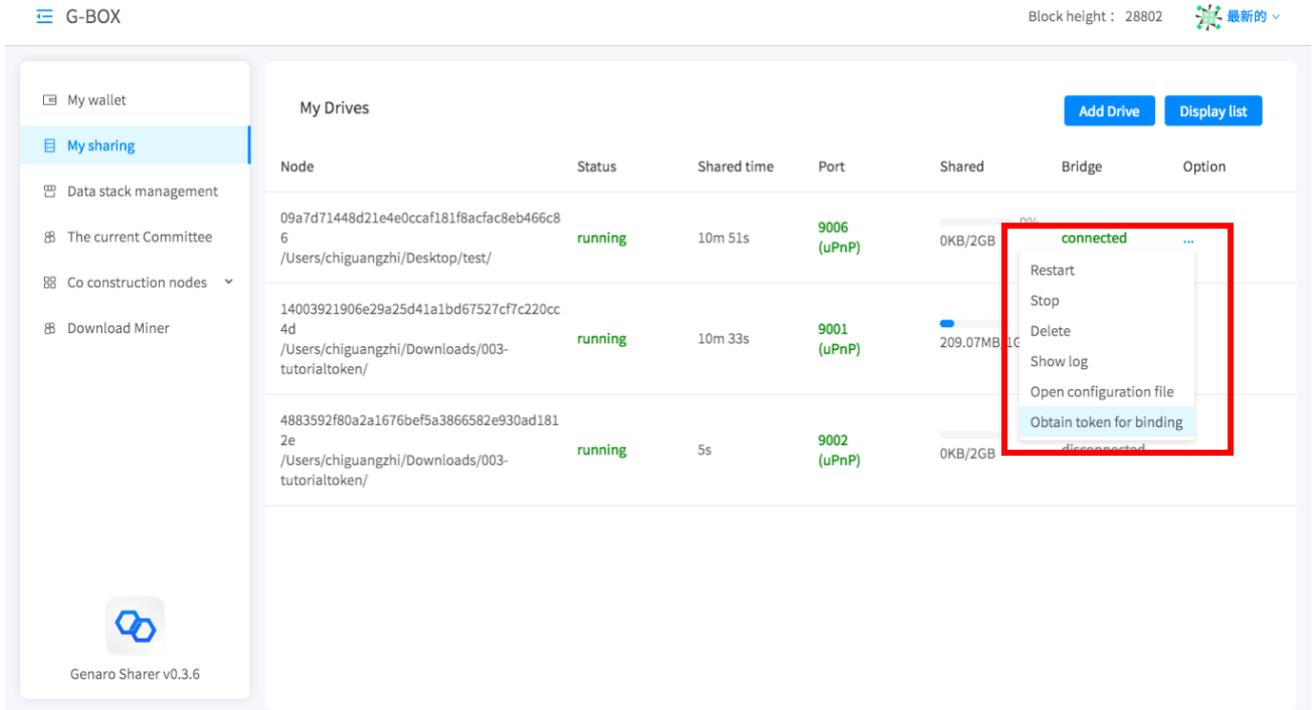
If the node you want to bind is the node that is shared locally:

Click the "Bind Node" button, select the node to be bound, enter the current wallet password, and confirm the binding relationship.

The screenshot shows the Genaro Sharer v0.3.6 interface. On the left is a sidebar with navigation options: 'My wallet', 'My sharing', 'Data stack management' (highlighted), 'The current Committee', 'Co construction nodes', and 'Download Miner'. The main area displays 'Current heft: 0', 'Heft rank: No. 18', and 'Stake amount: 50000 GNX'. A 'Stake' button is present. A dropdown menu is open, showing a list of node IDs. The first node ID, '09a7d71448d21e4e0ccaf181f8acfac8eb466c86', is selected. Below the dropdown, there are input fields for 'Gas Price: 18', 'Gas limit: 2100000', and 'Password:'. A 'Confirm' button is at the bottom right of the dropdown area.

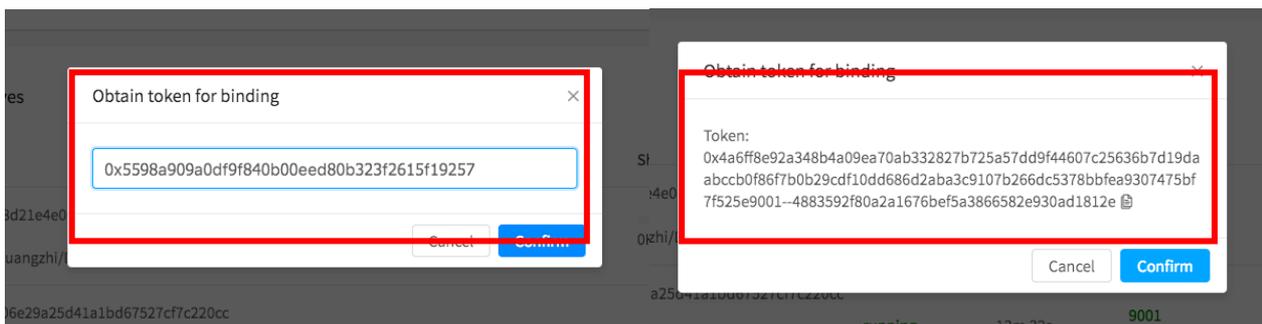
| State   | Node ID                                  |
|---------|--|
| Binding | 14003921906e29a25d41a1bd67527cf7c220cc4d |
| Binding | 09a7d71448d21e4e0ccaf181f8acfac8eb466c86 |

If the node you want to bind is a node that is shared offsite:



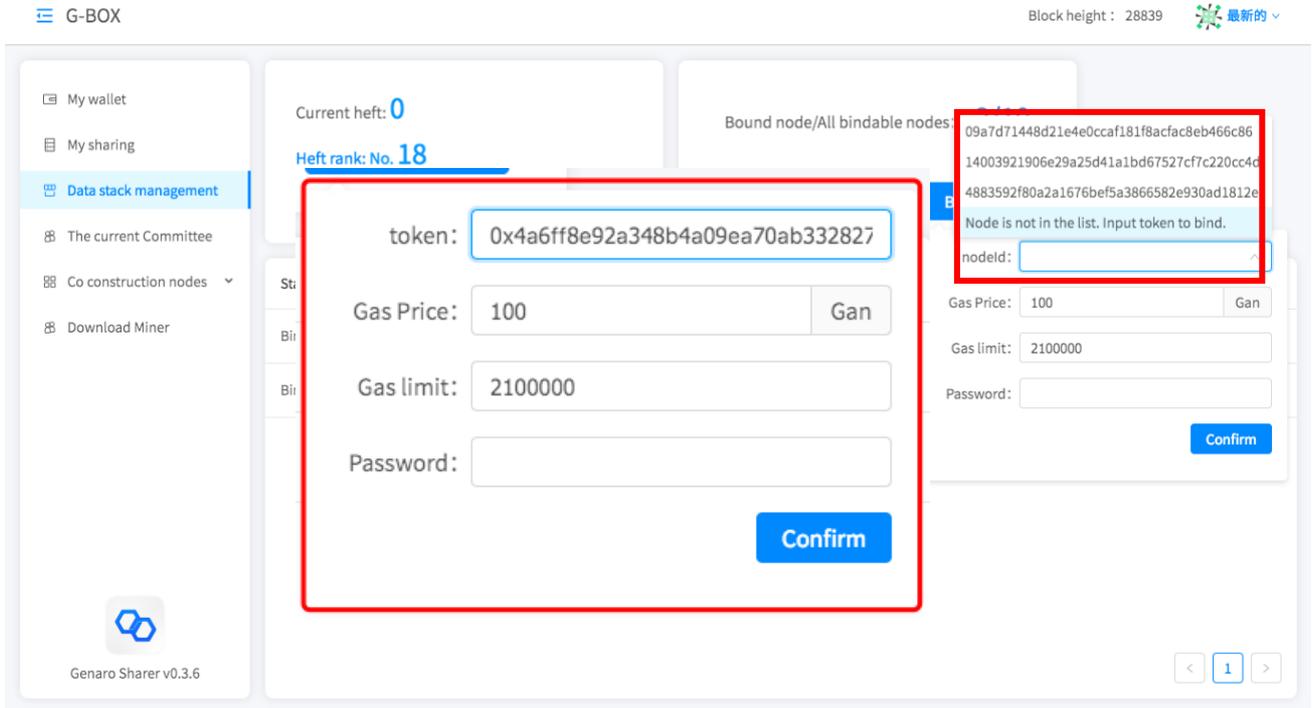
**1st Step:** Get the "binding token" of the node.

In the "My Sharing" interface, select the node you want to bind, click the drop-down menu on the right, and click "Get Binding Token". Enter the "wallet address" you want to bind in the input box to get and copy the binding token.



**2nd Step:** Bind node token

On the Data Stack Management page, click on the Bind node. Select "Node ID is not in the list, enter the node token copied in the previous step, and bind."



After the binding node ID is successful, you can view all the sharing status of the data stack of the current wallet address on the data stack management interface, including the total heft ranking of the data stack, the stake amount, the number of bound nodes, and the total number of bindable nodes.

● **Note:**

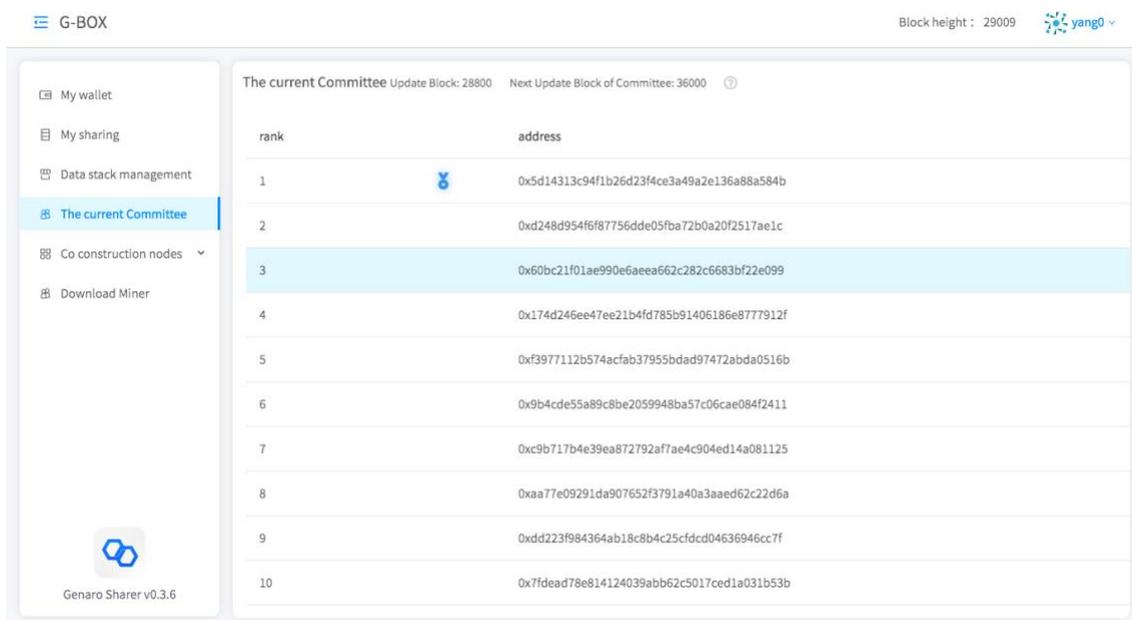
- a. Shared nodes cannot be bound repeatedly.
- b. After the binding is successful, the storage revenue and storage heft of the shared space of the node are obtained. The running status of the node will directly affect the total heft ranking and revenue of the current data stack.
- c. If the node is not running, you can replace the wallet that needs to be bound by "unbinding".

## View This Committee

The Current Committee is a display page

View current committee members on the "This Committee" screen. The committee's change time is calculated based on the block heft. When the heft of the next session of the committee is reached, it is the time when the next committee is established. The current block heft can be viewed in the

upper right corner. If the user staked more than 500,000GNX, and the weighted rank is among top 31, the user will be selected to the next term committee.



● **Note:**

To become a member of this Committee, in addition to the storage revenue incentives, you need to run the Miner program to maintain the Genaro Network's operations in order to obtain the benefits of block packaging revenue and network transaction fees. You can download and run the Miner program on the "Download Miner " page.

## Co-build Node

Users can join the committee to obtain higher heft rankings by joining the nodes with other nodes, and enter the committee to get the commissions. Currently, each team supports up to ten members to apply for membership.

### 1. Apply to join other nodes and team up to get a higher heft ranking

The "Join Co-Building" page is a dynamic intent teaming page.

Users can build their own nodes to participate in the ranking, or you can select the big nodes you want to join, click "Apply to join", and join the other nodes to participate in the heft ranking.

After the other party agrees, the willingness to team up of both parties will take effect. The team's relationship can be viewed on the "Join the Co-Build" page and click on "View Team Members". The team status at this time is the willing team state, and the team has not yet taken effect. Applicants and team owners can also unilaterally choose to disarm the team. By the time the "Second Committee Update Block" arrives (that is, when the next committee list is announced), if the intention of the two teams still exists, the team relationship will take effect.

The screenshot shows the G-BOX interface. At the top, it displays 'G-BOX' on the left and 'Block height : 29013' and 'yang0' on the right. A sidebar on the left contains navigation options: 'My wallet', 'My sharing', 'Data stack management', 'The current Committee', 'Co construction nodes', 'Current Ranks' (highlighted), 'Join Construction', and 'Download Miner'. The main content area is titled 'My team' and includes the following information:

- Next Update Block of Committee: 36000
- Rank: 1
- Team Name: 0x5d14
- Sentinel: 8,222
- Members button
- GNX Stake: 50000
- Space: 442.23MB
- Team number: 0 / 10

Below this information is a 'Node List' table with a search bar for 'address'. The table contains the following data:

| rank | address             | stake | space    | sentinel | member |
|------|---------------------|-------|----------|----------|--------|
| 1    | 0x5d1431...a88a584b | 50000 | 442.23MB | 8,222    | 0 / 10 |
| 2    | 0xd248d9...2517ae1c | 5091  | 0.00B    | 672      | 0 / 10 |
| 3    | 0x174d24...8777912f | 5081  | 0.00B    | 656      | 0 / 10 |
| 4    | 0x60bc21...bf22e099 | 5081  | 0.00B    | 656      | 0 / 10 |
| 5    | 0xf39771...bda0516b | 5071  | 0.00B    | 641      | 0 / 10 |
| 6    | 0x9b4cde...084f2411 | 5061  | 0.00B    | 625      | 0 / 10 |
| 7    | 0xc9b717...4a081125 | 5051  | 0.00B    | 610      | 0 / 10 |

At the bottom left of the interface, it says 'Genaro Sharer v0.3.6'.

● Note:

1. The application information is refreshed every hour. If you have not obtained the consent of the other party for one hour, you need to apply again.
2. Applicants can apply to multiple nodes at the same time. However, it's up to the information on the willingness of the final consent. For example: I apply to two nodes A and B. Node A agrees to my application. I have established a willingness to establish a team relationship with A. At this time, another node B also agreed to my application. A's willingness to team up will then be automatically lifted, and my willingness to team up with B will take effect. Before the establishment of the next committee, I can still unilaterally withdraw from the team and apply to other nodes. If I do not withdraw, and the application node does not dismiss the team, then the team relationship with B will be formally established until the next committee is established.
3. When the next committee is established, after my team relationship with B is formally

established, I will no longer obtain separate heft values and heft rankings, and will contribute my own heft to the applied node B to obtain the ranking of the joint nodes. Click on "View Team Members" to view information about current team members and their team status information.

4. If I and B's co-built node hefts are ranked in the next committee, then when the next committee comes into effect, I gain the storage network revenue, and at the same time, I also get the B-mining block. My block reward = my stake heft / committee stake total heft ✖ each committee will have block generation award (for specific income details please see below).

## 2. Create a node with the applicant and get a higher heft ranking

For the nodes that haven't teamed up, at the "application record" button, they can receive the intentional team application information prompts from other nodes. Click "Apply Record" to view the current applicant information, you can choose "Agree" or ignore.

The screenshot shows the Genaro Sharer v0.3.6 interface. On the left is a sidebar with navigation options: My wallet, My sharing, Data stack management, The current Committee, Co construction nodes, Current Ranks, Join Construction (highlighted), and Download Miner. The main area is titled 'My team' with 'Next Update Block of Committee: 43200'. It displays team statistics: Rank: 1, Team Name: 0x5d14, Sentinel: 10,262, GNX Stake: 50000, Space: 442.23MB, and Team number: 0/10. A table lists team members with columns for address, stake, space, sentinel, and agree. Two members are listed, both with a stake of 50000 and space of 0.00B, and an 'agree' button. A red box highlights the 'Members' and 'Apply record' buttons and the 'agree' buttons for the listed members. Below this is a 'Node List' table with columns for rank, address, stake, space, sentinel, member, and join. It lists nodes with ranks 11, 12, 13, and 300+, each with a 'join' button.

After agreeing, both parties will reach an intention to team up and click on "View Team Members" to view the information of the intent team members. The team's willingness can also be unilaterally lifted. If the team intention remains unchanged until the next committee comes into effect, the team relationship will take effect immediately.

- Note:

1. All nodes have the right to apply to join other nodes and the right to apply before they are teamed up. After the node agrees to the team application of other nodes, it can no longer join other nodes.
2. All team members' application team information will be cancelled automatically if they do not agree within one hour.
3. Nodes cannot actively invite other nodes to join themselves. They can only wait for invitation information from other nodes, or join other nodes to form a team.
4. After all the team's wishes are reached they will take effect at the time of the establishment of the next committee.

### 3. View Current Ranking

The Current Ranking page is a live display page.

On the current ranking page, you can view the real-time ranking of nodes across the network.

Click "View Team Members" to see detailed status information for your location.

Personal status: My team shows my current real-time status information.

Team status: My team shows current status information for me and my team. Click "View team members" to see information about other members.

- Note:

Team entrants no longer have their own Sentinel (heft value), i.e. Sentinel is 0. The current heft of the joined person is the sum of the team's Sentinel (heft value).

G-BOX Block height : 39996 

- My wallet
- My sharing
- Data stack management
- The current Committee
- Co construction nodes
- Current Ranks
- Join Construction
- Download Miner

My team Next Update Block of Committee: 43200

Rank: 14    Team Name: 0x1c04    Sentinel: 0    [Members](#)

GNX Stake: 30000    Space: 0.00B    Team number: 0 / 10

Node List  

| rank | address             | stake | space    | sentinel | member |
|------|---------------------|-------|----------|----------|--------|
| 1    | 0x5d1431...a88a584b | 50000 | 442.23MB | 10,283   | 0 / 10 |
| 2    | 0xd248d9...2517ae1c | 5091  | 0.00B    | 453      | 0 / 10 |
| 3    | 0x174d24...8777912f | 5081  | 0.00B    | 445      | 0 / 10 |
| 4    | 0x60bc21...bf22e099 | 5081  | 0.00B    | 445      | 0 / 10 |
| 5    | 0xf39771...bda0516b | 5071  | 0.00B    | 437      | 0 / 10 |
| 6    | 0x9b4cde...084f2411 | 5061  | 0.00B    | 429      | 0 / 10 |
| 7    | 0xc9b717...4a081125 | 5051  | 0.00B    | 421      | 0 / 10 |

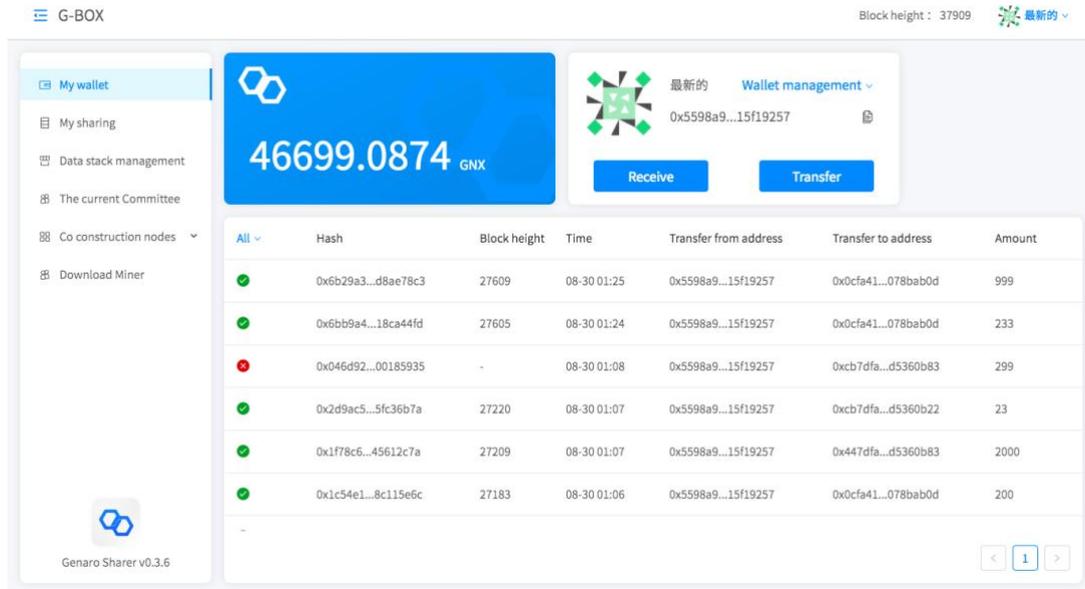


Genaro Sharer v0.3.6

At the end of the term of the current committee, the current top 31 individuals or teams, who have staked more than 500,000 GNX, will become a member of the next committee. The next committee members can download Miner from Sharer, and can run the miner program to maintain the Genaro Network operation and obtain the rewards for mining and trading gas rewards. The team members are ranked in the form of a team. When the members of the committee run miner to generate block, their team members can also get a corresponding block generation reward.

## Asset Management

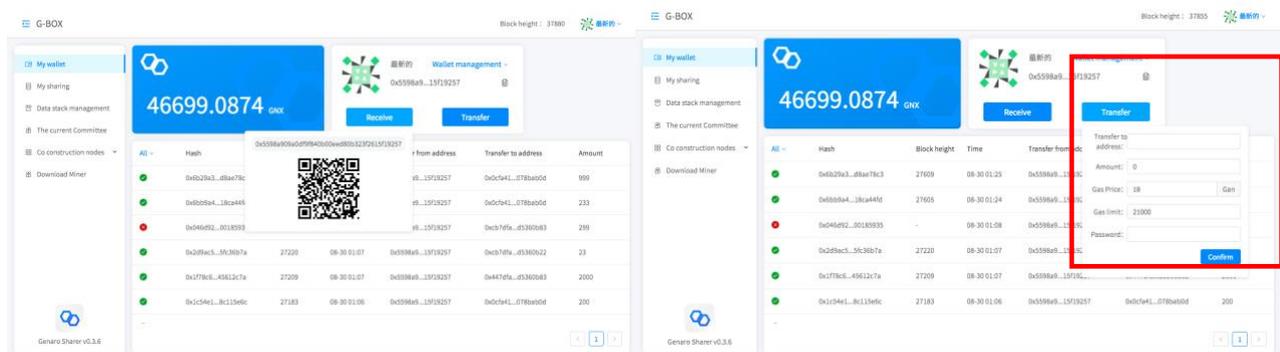
On the wallet page, you can view the account balance in your current wallet in real time. You can also check your balance by switching your wallet in the top right corner.



## 1. Collect and Transfer

Click "Receipt" to view the current account's payment address, you can scan the code to recharge or copy this wallet address.

Click "Transfer" to transfer assets to other user's wallet address. Enter the payment address, amount, Gas Price and Gas Limit. Click Confirm and enter the wallet payment password to confirm the transfer.



### ● IMPORTANT:

You need to understand that blockchain transfers are irrevocable and cannot be recalled. The transfer is between individuals, and the financial disputes caused by operational errors are not connected to Genaro.

## 2. Transfer setting gas value

On Genaro, sending a token and calling a smart contract requires paying the miner's calculation

fee, calculated in gas. The gas limit is the maximum you are willing to spend on a transaction amount. You can speed up or slow down your transfer by adjusting the gas price. You can set it yourself according to your own situation. If you are not in a hurry, you can set the system to prompt the safe gas price:

1GNX = 109 Gan

### 3. View transfer transaction history

After the transfer transaction instruction is initiated, the current transaction information can be viewed in the transaction history. And display the current transaction status in real time. You can also click on the hash value of the transaction to view a more detailed transaction history at: <https://genaro.networkwork/blockchain> browser.

Processing:

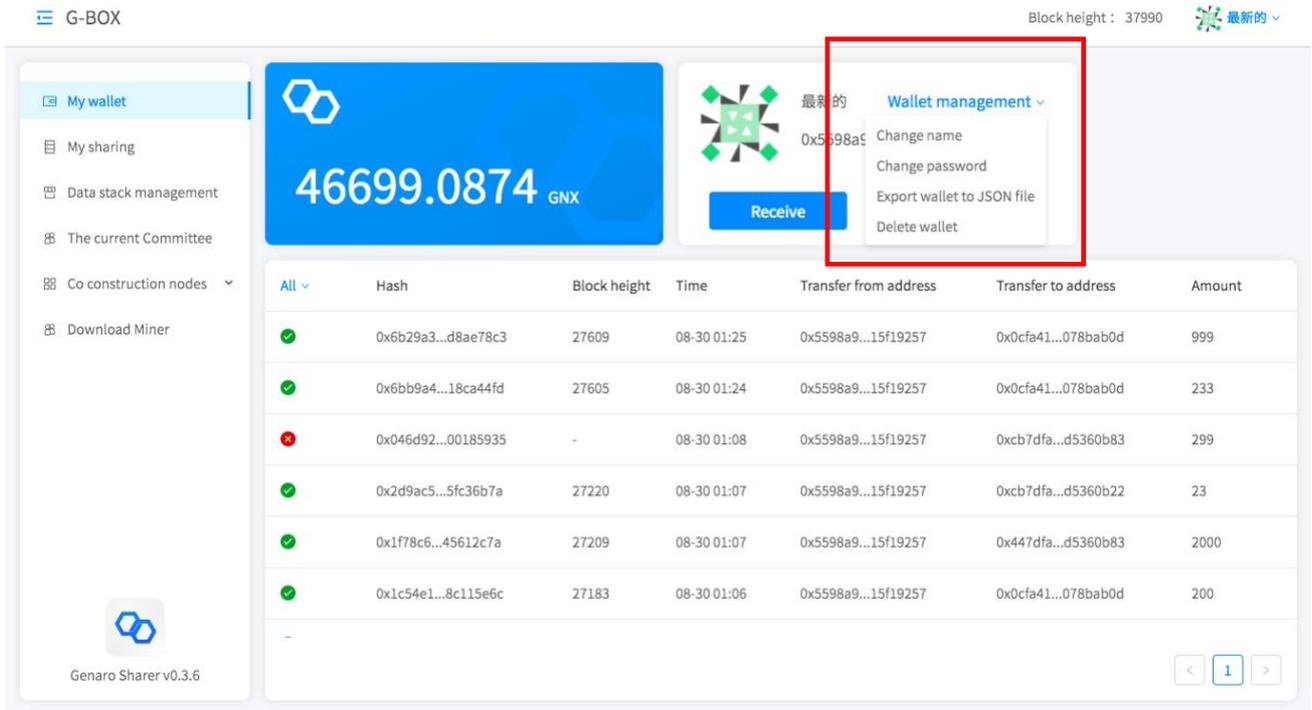
| All ▾ | Hash                | Block height | Time        | Transfer from address | Transfer to address | Amount |
|-------|---------------------|--------------|-------------|-----------------------|---------------------|--------|
|       | 0x6b29a3...d8ae78c3 | -            | 08-30 01:25 | 0x5598a9...15f19257   | 0x0cfa41...078bab0d | 999    |
|       | 0x6bb9a4...18ca44fd | 27605        | 08-30 01:24 | 0x5598a9...15f19257   | 0x0cfa41...078bab0d | 233    |

Transaction failed:

| All ▾ | Hash                | Block height | Time        | Transfer from address | Transfer to address | Amount |
|-------|---------------------|--------------|-------------|-----------------------|---------------------|--------|
|       | 0x046d92...00185935 | -            | 08-30 01:08 | 0x5598a9...15f19257   | 0xcb7dfa...d5360b83 | 299    |
|       | 0x2d9ac5...5fc36b7a | 27220        | 08-30 01:07 | 0x5598a9...15f19257   | 0xcb7dfa...d5360b22 | 23     |

## Wallet Management

You can modify the wallet name, delete the wallet, change the wallet payment password, and export to JSON file operation.

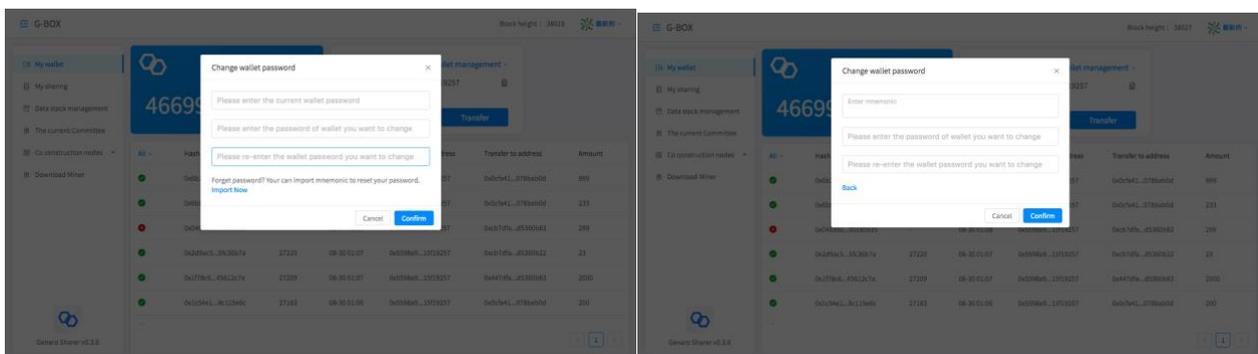


## 1. Back up My Wallet

On the wallet management page, you can back up your wallet by exporting the wallet JSON format. The backup wallet requires the password of the current wallet.

## 2. Modify my password, reset my password

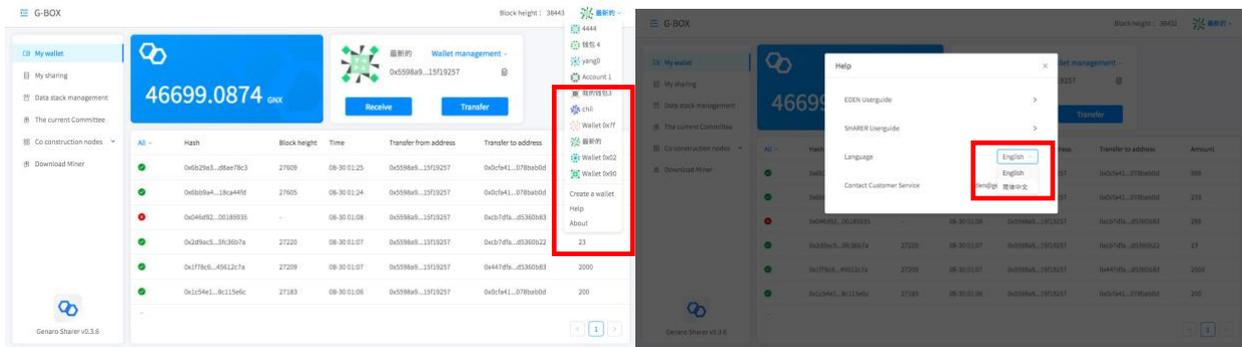
In the wallet management area, I can change my wallet password and retrieve my password. Changing your password requires knowing your current wallet password. If you forget your wallet password, you can reset your wallet password by importing your wallet mnemonic in the “change password”. If you forget the mnemonic, you will not be able to retrieve it. So be sure to keep your mnemonic.



# Others

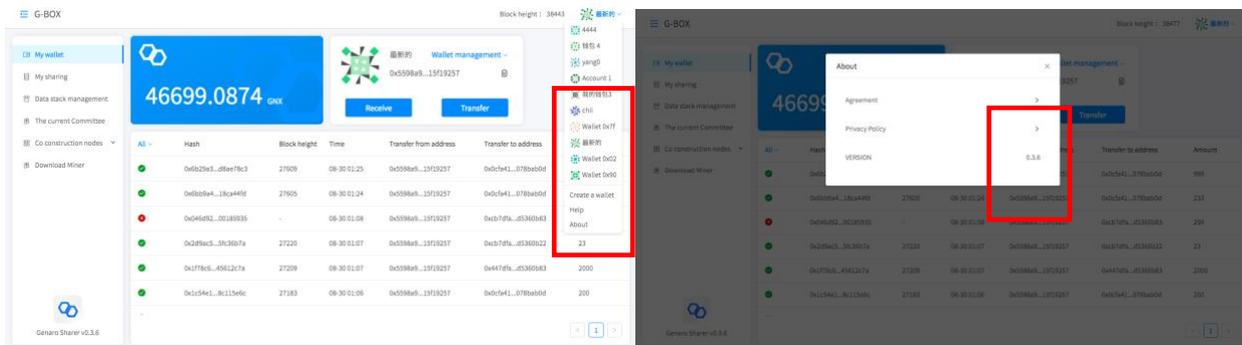
## 1. Language Setting

You can choose to switch languages by clicking "Help" in the upper right corner.



## 2. Update to the Latest Version

In the upper right menu bar, click "About" to view the current version and update to the latest version.



## Reward Model

The Genaro Network, the first dual-strata smart data ecosystem with a dual-strata Architecture, integrates a public blockchain with decentralized storage.

As the mainnet launches, all nodes can receive rewards from the storage network. if a user staked more than 500,000 GNX, and the data stack node heft value is ranked within 31, the user will become a member of the next committee. As a master node, the user can run Miner to synchronize

all clocks; while receiving the storage rewards, the user can also receive the mining rewards as well.

## 1. Storage rewards

The storage rewards are determined by the nodes' contribution to the entire storage network. The more data stored, the more stable the network is, and the greater ratio of the certain storage weight to the total storage weight of the entire network, the higher rewards will be earned.

Storage Revenue (Year) = Storage weight / Whole Network Storage weight  $\times$  The coin pool annual storage reward rate of the coin pool.

Annual rewards of the coin pool = total tokens  $\times$  10% (coefficient of the coin pool)  $\times$  50% (coefficient of the storage pool)  $\times$  5% (annual release rate)  $\times$  M ( $0 < M \leq 100\%$ , coefficient of the storage rewards, determined by the purchasing amount)

Specifically,

If the actual storage purchase amount of the entire network is 80T,  $M=1\%$ ;

If the actual storage purchase amount of the entire network is 1000T,  $M=12.5\%$ ;

- All users sharing the effective space and storing the real data nodes will get the storage weighted ratio and get the storage network reward.

## 2. Mining rewards

Mining rewards are determined by the asset ratio of the committee nodes. Including the entire network transaction fee bonus + block bonus. The more the stake is, the higher the weight ratio accounts for the committee total weight ratio, more mining rewards are earned when the block is generated.

Mining rewards (annual) = personal stake weight / total committee stake weight  $\times$  annual mining reward rate of the pool

Annual mining rewards of the coin pool = total coins  $\times$  10% (coefficient of the token pool)  $\times$  50% (coefficient of the mining pool rewards)  $\times$  5% (annual release rate)  $\times$  M ( $0 < M \leq 100\%$ , coefficient of the mining rewards, determined by the entire staking amount of the committee)

Specifically,

If the total stake amount of the committee =  $1 / 2400 \times$  total # of tokens, M=1%:

If the total stake amount of the committee =  $2 / 2400 \times$  total # of tokens, M=2%:

If the total stake amount of the committee =  $99 / 2400 \times$  total # of tokens, M=99%:

If the total stake amount of the committee =  $100 / 2400 \times$  total # of tokens, M=100%:

For each node that has shared its storage spaces, and stores real data, the node will get its storage weight and relevant rewards.

- Note:

Only the master nodes in the committee can receive mining rewards. If a user staked more than 500,000 GNX, and the data stack heft value is ranked within top 31, the user can become the master node as a member of the committee, and achieve mining rewards.

## FAQ

### 1. When can I start to earn rewards by sharing hard drive space?

The Genaro Network mainnet is officially launched on 12th, December 2018. All Genaro storage space sharers can participate and get the corresponding GNX storage network rewards when the mainnet launches. The qualified nodes will become a member of the committee as a master node, and can also run miner to receive the Genaro Network block generation rewards and transaction fee rewards.

### 2. What are the benefits of sharing nodes? How to calculate?

- As the mainnet launches, all nodes can receive rewards from the storage network. If a user staked more than 500,000 GNX, and the data stack node left value is ranked within 31, the user will become a member of the next committee. As a master node, the user can run Miner to synchronize all clocks; while receiving the storage rewards, the user can also receive the mining rewards as well. (User can download Miner from <https://genaro.network>)

- After the Mainnet is online, the revenues obtained by the data stack (nodes) are combined with storage network revenue and mining (on-chain) revenue.

- Storage network revenue is determined by the node's contribution to the storage network. The more data the node stores, the more stable the online time is, the greater the total storage left ratio of the stored storage lefts to the entire network, the more the storage network benefits.

- Storage Revenue (Year) = Storage weight / Whole Network Storage weight × The coin pool annual storage reward rate of the coin pool.

Annual rewards of the coin pool = total tokens \* 10% (coefficient of the coin pool) \* 50% (coefficient of the storage pool) \* 5% (annual release rate) \* M (0 < M ≤ 100%, coefficient of the storage rewards, determined by the purchasing amount)

Specifically,

If the actual storage purchase amount of the entire network is 80T, M=1%;

If the actual storage purchase amount of the entire network is 1000T,  $M=12.5\%$ ;

- All users sharing the effective space and storing the real data nodes will get the storage weighted ratio and get the storage network reward.

### **Mining rewards**

Mining rewards are determined by the asset ratio of the committee nodes. Including the entire network transaction fee bonus + block bonus. The more the stake is, the greater the weighted ratio accounts for the total committee weighted ratio, more mining rewards are earned when the block is generated.

Mining Rewards (annual) = personal staking weight/total committee staking weight\* annual pool mining reward

Annual mining rate of the token pool = total coins \* 10%(coefficient of the coin pool)\* 50%(coefficient of the mining pool rewards)\* 5%(annual release rate)\*  $M$  ( $0 < M \leq 100\%$ , coefficient of the mining rewards, determined by the entire staking amount of the committee)

Specifically,

If the total stake amount of the committee =  $1 / 2400 \times$  total # of tokens,  $M=1\%$ :

If the total stake amount of the committee =  $2 / 2400 \times$  total # of tokens,  $M=2\%$ :

If the total stake amount of the committee =  $99 / 2400 \times$  total # of tokens,  $M=99\%$ :

If the total stake amount of the committee =  $100 / 2400 \times$  total # of tokens,  $M=100\%$ :

For each node that has shared its storage spaces, and stores real data, the node will get its storage weight and relevant rewards.

● **Note:**

The mining rewards can only be obtained if the node is ranked among the top 31 in the committee. The top 31 nodes with more than 500,000GNX staked are qualified for the committee as master nodes and can achieve mining rewards.

### **3. How do I share hard disk space by using sharer and become Genaro's data stack node to get storage revenue?**

There are FIVE steps to becoming a data stack and gaining storage network revenue:

1. Ensure that the computer is connected to the public network IP and download the sharer program.
2. Create a shared configuration and share hard drive space.
3. Set the node's configuration file to ensure that the node is in normal operation.
4. Stake on GNX
5. Bind the shared node. Get the income.

### **4. How can I be elected as a committee member and get mining rewards?**

To share the hard drive to obtain the income of the Genaro public chain network requires two conditions:

1. Become a data stack node, and rank among top 31 nodes with more than 500,000 GNX staked, and become a member of the committee as a master node.
2. Download the miner program to synchronize the entire network block. Download address and instructions for use: <https://genaro.networkwork>

### **5. What is the coin pool? Will the total amount change??**

The coin pool is the token incentive mechanism for the entire Genaro Network's dual-strata smart data ecosystem. It is also an important part of Genaro's sharing economic ecosystem. The initial assets of the coin pool account for 10% of the total Genaro eco-coin. 5% of the remaining coins are distributed annually for the Genaro storage network and the public chain ecological construction. At the same time, the user's storage costs, downstream bandwidth usage fees, gas costs for the entire network transaction, and future Genaro based DApp user spending will once again return to the pool to form a healthy economic ecosystem.

## **6. As a data stack node of Genaro, how is it ranked and how do we calculate the weighted value?**

The weight of the node is composed of two parts, the stake weight of the node and the storage weight. The ranking of nodes is according to the weighted ranking of stake weight and storage weight.

Specifically:

Weighted stake = a single node staked amount /total network stake amount \* Coefficient of the stake

Weighted storage = a single node (shard) storage capacity/ total shard storage capacity \*Coefficient of the storage

The more GNX staked, the higher the total stake weight. The larger the storage space, the longer the storage time and the more stable the network, the higher the storage weight will be.

## **7. Will I be penalized if I stop Sharer storage sharing (manual pause or blackout), or delete file data stored in the node path?**

The system will analyze and judge based on the performance of the node, and at the same time the system will perform the sampling test of the retrievability of the shard. If the node is offline for too long, a feedback signal of detection sample shard will be send to the system, and the node will be considered as a malicious node for deleting user data, and the storage weight value of the node will be punished, deducting 10 times of the weight value of the sample shard capacity, thus affecting the total weight value of the node. Therefore, please keep stable network performance and node configuration, and do not delete user data allocated by the system.

## **8. As a master node of the committee, will I be penalized if I stop Sharer storage sharing (manual pause or blackout), or delete file data stored in the node path?**

As a committee super node, the Miner program should be tested in ahead of time to ensure a stable network; in order to generate new blocks and synchronize with the entire network block, to record the accounting book, and to serve the operation of the main network. If the network is unstable when the Miner program is supposed to generate a new block, or if the Miner program is not running, or the node cannot connect to the system, the system will punish the committee node as the following rules:

In the committee, if the system can not approach the node information after the 900th block, the punishment shall be carried out in accordance, starting from the 900th block, i.e.  $900 + n^2$  (n is an interger, starts from 0,1,2.. ), (as from the block number: 900 + [0, 1, 4, 9, 16, 25, 36, 49, 64, 81, 100..]), respectively the system will dedect the GNX staked in the amount of  $50*(n)$  , (n is an interger, starts from 0,1,2.. ) GNX. Each committee will be deducted for 1000 GNX at most. The coin deducted will all released to the mining pool, and will be used as the reward for future mining.

## **9. As a sharing node of Genaro, why do you need to download two programs when you want to get mining revenue?**

The Genaro Network is a distributed, sharing cloud that combines a dual-strata smart data ecosystem of storage and public ownership. Sharer provides stable storage space for the entire storage network, and Miner guarantees stable operation of the entire Genaro Consensus Network. The user contributes to the storage network revenue by contributing idle storage space through the sharer. A good data stack node will be elected to the committee and is able run miner to get dual rewards from the Genaro Mainnet.

## **10. Why is the "current ranking" information different from the "current committee member list" ?**

"Current Ranking" displays the current actual ranking information of the entire network. It's real-time updated.

The "current committee member list" is the top 31 nodes with more than 500,000GNX staked are qualified for the committee in the previous term.

All current information will take effect when the next committees are established.

## **11. Why is the "list of current committees" different from "current rankings" different?**

"The current committee ranking" was determined by the results of the previous session of the committee. "Current Ranking" is the real-time ranking of the entire network. The first 101 nodes of the "current ranking" at the time of the establishment of the next committee will become members of the next committee and receive rewards for mining.

## **12. Why is the "current ranking" team information different from the "joining co-build" team information different?**

"Current Ranking" displays the the current actual ranking team information of the entire network. It's real-time updated, and unable to apply, withdraw, etc.

The team information in "join co-build" is the information listed of willingness to team. All "join co-build" team information will take effect when the next committee term is established.

## **13. Do you have to be public IP? Can I share without public IP?**

The IP address is the Internet Protocol Address. The public IP address is the IP address that can be accessed by any device connected to the Internet. It is the only one in the Internet. The so-called

public network is the Internet access method, so that the IP address obtained by the computer on the Internet is a non-reserved address on the Internet, and the computers on the public network and other computers on the Internet can access each other at will.

For home network users, your ISP (network operator, such as China Telecom, China Unicom, etc.) is responsible for assigning IP to you, but this IP is not necessarily a public network IP, you need to dial the device (usually a router, there are also It may be a router and a modern 2-in-1 device. Check if you are not a public IP, then you can communicate with your ISP. If the device running Genaro sharer does not have a public IP address and the router has it, you can enable the router's Upnp function, or set the port forwarding yourself, so you can share it as well.

#### **14. After sharing the nodes, the bridges are disconnected. After the bridges are connected, the port should be displayed in green, what actions need to be taken if the port does not show in green?**

If you are not connected to bridges, you need to check if the configured configuration file is correct. If the port display is not green. The problem is that the machine is not connected via uPnP, uPnP does not work, please check if the router is blocked.

#### **15. How to set the configuration file to ensure the normal operation of the node?**

After sharing the node, a configuration file is generated, and the shared attributes are set in this file. There are a few items that need to be customized:

1. The value after "rpcAddress" is changed from 127.0.0.1 to the public IP address of the machine;
2. The value of "doNotTraverseNat" is changed to "true" (if there is a public network ip);
3. The value of "storagePath" is changed to the shared path;
4. The value of "storageAllocation" is changed to the size of the shared space. The default is 20G.(Modify the configuration file, in the drop-down menu on the menu bar on the right side of

the sharing interface)

5. After modifying the configuration file, you need to restart the node.

## 16. How many assets are required to stake, how many assets need to be staked on a node?

The current amount of the stake is at least 5000 GNX. A corresponding 5000 GNX per stake can be bound to a node. The amount of stakes also affects your stake left rankings, which affects the overall ranking of your data stack. The more you bet, the more bets you get. The number of bound nodes can be less than the stake amount corresponding to the bound node. For example, I stake 500000GNX, the corresponding can be bound to 100 nodes, but currently I only bind 20 of them.

## 17. Is there a requirement for the sharer bandwidth or hard drive?

Now mainly considering the stability of the network, the minimum requirement for contributing space at this stage is 4TB, and the GNX required for PoS is 5000. There is no hard requirement for bandwidth, but the higher the bandwidth, the easier it becomes to be a shared node, and the bandwidth depends on the capacity of the hard disk. The recommended bandwidth is at least 10m, and the port starts at 4000 and can be mapped.

## 18. Do you need an 8T hard drive to stake 5000GNX? What is the relationship between staking on GNX and hard drive sharing space?

An 8T hard drive is not required. Betting 5000GNX corresponds to the maximum share of 8T, for 0-8T you will need to pledge 5000GNX.. Therefore, the maximum hard disk space for each node is 8T.

| Stake GNX as PoS | Bindable Nodes | Corresponding Sharing Space |
|------------------|----------------|-----------------------------|
| [5000, 10000 )   | 1              | 0 — 8 T                     |

|                             |                    |          |
|-----------------------------|--------------------|----------|
| [10000, 15000 )             | 2                  | 0 — 16 T |
| [15000, 20000 )             | 3                  | 0 — 24 T |
| .....                       | .....              |          |
| Every 5000 increases in GNX | Bind One More Node |          |

There is no strict requirement for bandwidth, but the higher the bandwidth, the easier it becomes to be a sharing node, and the bandwidth depends on the capacity of the hard drive.

The bandwidth is at least 10m, the port is 4000, and can be mapped.

Keeping online is a stable node. The larger the position is, the larger the sharable space.

## 19. How can I make sure whether I have been connected to the public IP?

You can check the reason and check whether the sharer used is the latest version; or you can check the reason why the sharer is not working properly due to the network or the computer itself through the error prompted by the sharer;

Through the community consulting solution; join the WeChat group and add WeChat administrator: imarii6221217 to indicate the Genaro Sharer issue.

Send feedback to Genaro official. The feedback is to provide information about the computer system, version, sharer version, symptoms, error messages, logs, etc.; eden@genaro.network

## 20. How can I tell if my stake is successful?

After the stake is successful, on the data stack management interface, your bet assets will be displayed, and the total number of bindable nodes will also be seen.

## 21. Does the stake need to cost gas fee?

The bet needs to call the smart contract of the main network. So it takes a certain amount of GNX. The cost of gas consumed can be set by itself. It can also be based on the current optimum value given by the system.

## 22. What do the colors at the port mean?

### The Status

Gray: stopped

Green: running

Red: error

### Delta

Green: Delay within 500ms

Red: Delay exceeds 500ms

### Port

Green: Non-private network IP, and the socket connection can be successfully established according to rpcAddress and rpcPort in the configuration file.

Yellow: The user file cannot be accepted directly, but the tunnel connection is successful, and the file can be accepted through the tunnel.

Red: doNotTraverseNat (not Nat penetration) in the configuration file is configured to true and is not a public IP address.

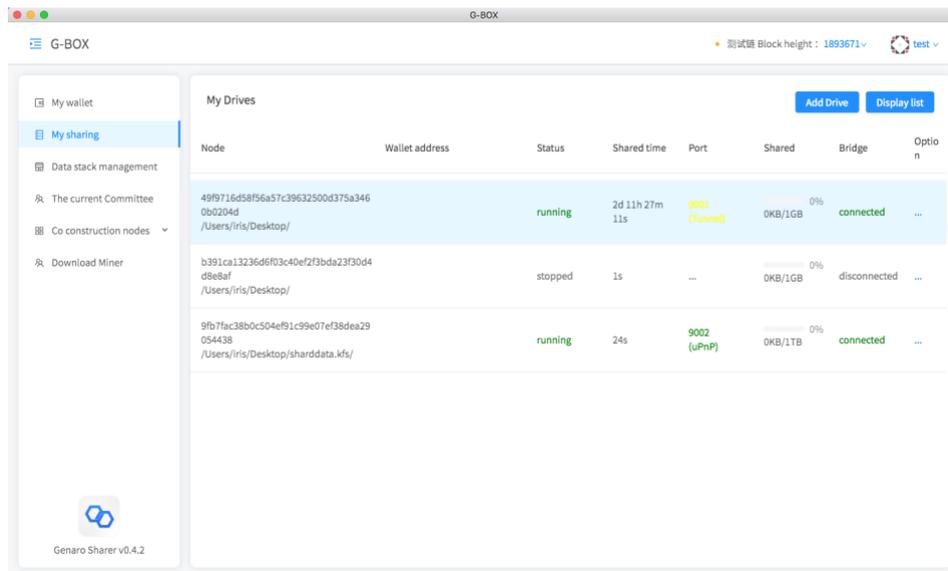
### Bridges

Gray: Disconnected

Yellow: Connecting

Orange: Confirming

Green: Connected



The status, port, and bridge are all green, which proves that the node is running normally.

## 23. Why do I need to stake in Sharer? If I don't share, can I share my free space with Sharer?

If you don't stake, you can share the node. But the storage rewards will not be generated.

The purpose of the stake behavior is to improve the stability of the sharing node and to ensure that most nodes have a long-term effective online mechanism.

So if you want to get the shared revenue, you need to stake first, get the right to bind the sharing node, and then bind the node to get the sharing revenue.

The current least amount of stake is 5000 GNX.

## 24. Can I withdraw my GNX after I stake? How to withdraw the stake?

The way to release the staked GNX is to click "unstake" button.

In the "Data Stack Management", the user can choose to click "stake" button or "unstake". After confirming the notice, the user can enter the wallet password to unstake. The "unstake" will take effect automatically within three to five days. The system will automatically return the GNX that the user staked back to wallet where the node is located. After the release request is issued, the node will not get the corresponding storage rewards.

## **25. Does Genaro charge for the operations?**

Genaro does not charge any third party fees. Genaro Eden and Genaro Sharer are a pure sharing economic community. Users use the storage space to charge, download traffic charges, and the transaction consumption gas is all allocated to the corresponding sharer node.

## **26. What if I find a Sharer running problem?**

You can check the reason and check whether the sharer used is the latest version; or you can use the error prompted by sharer to troubleshoot the reason why the sharer is not working properly due to the network or the computer itself;

- Through the community consulting solution; join the WeChat group and add WeChat administrator: **Chigz**, to indicate: the Genaro Sharer issue.
- Give feedback to the Genaro official. The feedback is to provide information about the computer system, version, sharer version, symptoms, error messages, logs, etc.; eden@genaro.network.

## **27. How to become a stable node? Are there any requirements?**

Keeping online is seen as a stable node, and the larger the position, the larger the shareable space.

## **28. Can I still get a reward if no data is assigned to my storage node?**

If the shared storage space is not used by the user, the storage reward cannot be obtained and there is no storage heft. All storage nodes that are assigned to data will have storage hefts and will receive storage revenue. The storage revenue obtained = storage weight / total network storage \* total storage weight \* system annual storage reward. If you enter the node of the committee, you can get a reward for the whole network by mining based on the storage revenue.

## **29. Is it now supported to store other ERC-20 Tokens? What should I do if**

### **I transfer to another ERC-20 Token? How to get it back?**

After the mainnet is online, the latest versions of the Genaro Wallet, Genaro Eden and Genaro Sharer wallets will be running on the Genaro mainnet, and only mainnet GNX will operate on these DApps.

In the future, the multi-wallet function will be supported and cross-chain trading will also be implemented in future versions.

- **Note:**

Do not transfer other tokens to Genaro's exclusive wallet until the official website announces it supports for other tokens. Otherwise, Genaro Network will not be responsible for the loss of the token.

## **30. Can I run Sharer with my NAS device?**

It depends on the configuration of your NAS device, operating system, etc. Generally speaking, it is ok, but the Genaro team does not test all models of NAS and does not guarantee if it's running. In addition, operating the NAS requires a certain technical foundation, at least users need to be familiar with the Linux command line (most NAS is a Linux system), and the configuration of the operating system's IP, which can solve various problems encountered when installing and compiling Node. Due to the wide variety of NAS branded devices, the Genaro team does not provide dedicated technical support for the operation of NAS devices.

## Download and Contact Us

### Download Genaro Sharer

Download and use Genaro Sharer to share your free hard disk space for rewards!



### Contact Us

| If you have any problems or suggestions when using Genaro products, please contact us:

[eden@genaro.network](mailto:eden@genaro.network)