

# Genaro Miner

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

V1.0

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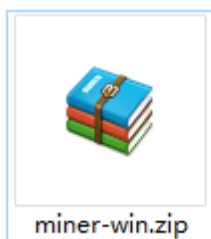
# Miner mining program (go-genaro) installation and operating instructions

Members of the committee can run the Miner CLI (go-genaro) and synchronize the entire network block to get the mining bonus on the chain.

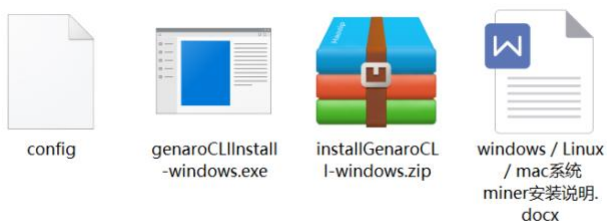
# Windows system go-genaro installation

1 Download installation address:

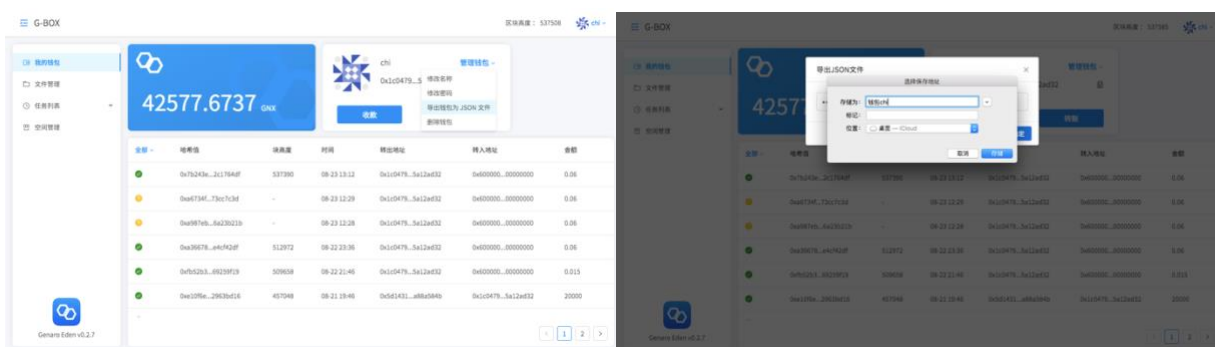
<https://genaro-release.oss-cn-hangzhou.aliyuncs.com/miner-win.zip>



2 Extract file genaroNetwork-windows.zip



3 In the Genaro Sharer program, export the wallet private key to a JSON file or save it in your txt format on your computer.



4 change configuration file config

Open config, save and close after modifying the configuration

```
{
```

"dir": "F:/windowsGenaroNetwork/", 【modify your genaro CLIInstall installation directory in ""(note that there must be "/" in the back)】

"privatekey": "D:/ceshi/test/key", 【Modify the private key backup path in "", the private key must be the wallet private key to enter the committee node, otherwise you can not get the mining block revenue (backup file can be your txt format to save the private key, or backup wallet JSON file format)】

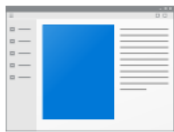
"Password": "123456", [Fill in the mining wallet password】

"port": "30315", 【NIC monitoring port, no need to change】

"wsport": "8545" 【WS-RPC server monitoring port, no need to change】

}

5 After the go-genaroInstall-windows.exe (installation and startup) is successfully started in the current directory, normal mining begins. The mining program "go-genaroRestart-windows.exe" will be installed automatically in your installation path.



genaroCLIInstall  
-windows.exe

If a restart is needed

windows system restart go-genaro

To the installation directory (Installation directory F:/windowsGenaroNetwork/)

Run go-genaroRestart-windows.exe

**Note:** During mining, you cannot close the client, otherwise you will not be able to synchronize the entire network block and get the mining revenue.

# MAC system go-genaro installation

1 Download installation address:

<https://genaro-release.oss-cn-hangzhou.aliyuncs.com/miner-mac.zip>



miner-mac.zip

2 Extract file genaroNetwork-mac.zip



config



genaroCLIInstall-mac

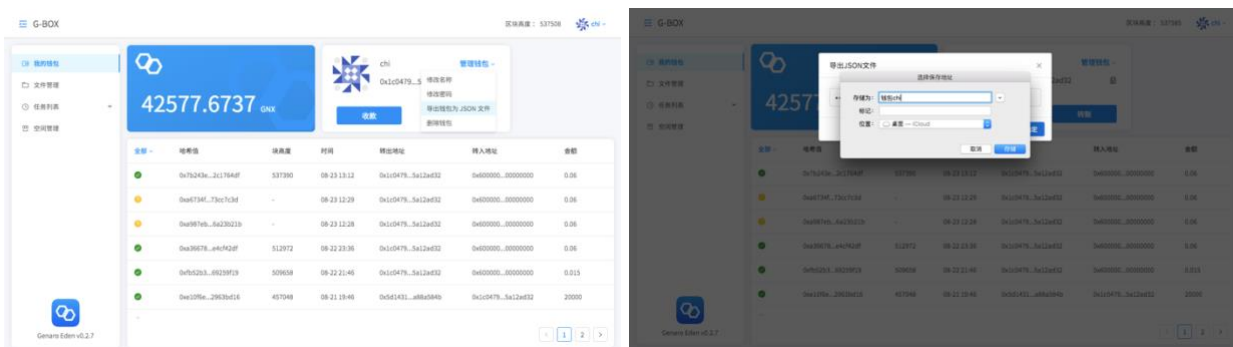


installGenaroCLI-mac.zip



windows / Linux / mac... 安装说明

3 In the Genaro Sharer program, export the wallet private key to a JSON file or txt format and save it on your computer.



4 Modify configuration file config

Open config, save and close after modifying the configuration



config

```

{
  "dir": "/home/qian/genaroNetworkTest/", 【In the "", modify your miner installation directory (note that there must be /)】
  "privatekey":
"/home/qian/gopath/src/github.com/GenaroNetwork/Genaro-Core/automatedScript/chainNode/c
hainNode4/keystore/UTC--2018-06-29T08-04-30.680138193Z--dd223f984364ab18c8b4c25cfdcd04
636946cc7f", 【Modify the private key backup path in "", the private key must be the wallet private
key to enter the committee node, otherwise you can not get the mining block revenue (backup file
can be your txt format to save the private key, or backup wallet JSON file format)】
  "Password": "123456", 【Fill in the mining wallet password】
  "port": "30315", 【NIC monitoring port, no need to change】
  "wsport": "8545" 【WS-RPC server monitoring port, no need to change】

```

5 Open the "command line" window, find the directory in the "command line" window, run nohup in the current directory. ./go-genaroInstall-mac > loginfo.log & (install and start) **【This command starts the program as a background process and logs the program log to the loginfo.log file in the current directory.】**

Note:

View the log: Run the command in the log directory: tail -f loginfo.log [View mining status]

```

miner-mac — tail -f loginfo.log — 80x24
INFO [08-31|16:44:22] VerifyUncles:5947
INFO [08-31|16:44:22] Finalize:5947
INFO [08-31|16:44:22] accumulateInterestRewards          reward=1936807911
97129012
INFO [08-31|16:44:22] VerifyUncles:5948
INFO [08-31|16:44:22] Author:5948
INFO [08-31|16:44:22] Finalize:5948
INFO [08-31|16:44:22] accumulateInterestRewards          reward=1932959099
60482035
INFO [08-31|16:44:22] VerifyUncles:5949
INFO [08-31|16:44:22] Finalize:5949
INFO [08-31|16:44:22] accumulateInterestRewards          reward=1929110287
23835057
INFO [08-31|16:44:22] VerifyUncles:5950
INFO [08-31|16:44:22] Finalize:5950
INFO [08-31|16:44:22] accumulateInterestRewards          reward=1925261474
87188080
INFO [08-31|16:44:22] VerifyUncles:5951
INFO [08-31|16:44:22] Finalize:5951
INFO [08-31|16:44:22] accumulateInterestRewards          reward=1959900786
17010877
INFO [08-31|16:44:22] VerifyUncles:5952
INFO [08-31|16:44:22] Finalize:5952
INFO [08-31|16:44:22] accumulateInterestRewards          reward=1956051973

```

**If a restart is needed**

Mac system restart go-genaro

1 To the installation directory (installation directory: /home/qian/genaroNetworkTest/)

Run nohup ./go-genaroRestart-Mac > loginfo.log &

## Linux system go-genaro installation (same as MAC)

1 Download the installation Address:

<https://genaro-release.oss-cn-hangzhou.aliyuncs.com/miner-linux.zip>

2 Extract the file miner-linux.zip

3 Save the wallet private key as a JSON file or a txt file and save it on your computer safely.

4 modify the configuration file config

Open config, modify the configuration, save, close.

```
{
```

```
    "dir": "/home/qian/genaroNetworkTest/", 【In the "", modify your miner installation directory (note that there must be /)】
```

```
    "privatekey":
```

```
"/home/qian/gopath/src/github.com/GenaroNetwork/Genaro-Core/automatedScript/chainNode/chainNode4/keystore/UTC--2018-06-29T08-04-30.680138193Z--dd223f984364ab18c8b4c25cfdcd04636946cc7f", 【Modify the private key backup path in "", the private key must be the wallet private key to enter the committee node, otherwise you can not get the mining block revenue (backup file can be your txt format to save the private key, or backup wallet JSON file format)】
```

```
    "Password": "123456", 【Fill in the mining wallet password】
```

```
    "port": "30315", 【NIC monitoring port, no need to change】
```

```
    "wsport": "8545" 【WS-RPC server monitoring port, no need to change】
```

5 Run `nohup ./go-genaroInstall-linux > loginfo.log &` in the currently downloaded directory (install and start)

**If a restart is needed:**

Linux system restarts go-genaro

To the installation directory (installation directory/home/qian/genaroNetworkTest/)

Run `nohup ./go-genaroRestart-linux > loginfo.log &`