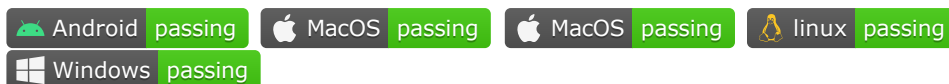


ETH LINE SUMMIT



With EthLine App, it is an encrypted real-time communication software, it is based on **Ethereum** ERC20 SECP256K1 to achieve end-to-end encryption, it can deliver messages on time, safely and free of charge

- Data charges may apply. Contact your provider for details.



Link

Mobile WEB

Start

Step1 : Create Mnemonic

✦ All your sensitive data on this APP is only stored locally in encrypted form, and the password to encrypt these data is the hash value of the mnemonic phrase you are about to set. Please be sure to save these mnemonics, otherwise all your data will not be restored .

For example: Randomly generated mnemonic words are used here: surge hockey dizzy debris piano false stable switch tail furnace vague cluster

<

Create Mnemonic

Random Algorithm

You can choose a random algorithm to generate mnemonic words or customize mnemonic words , Default BIP39

BIP39

HIGH SECURITY

New Mnemonic 78

surge hockey dizzy debris piano false stable switch tail furnace vague cluster

URGENT REMINDER : Miranda Warning

◆ The mnemonic words can be filled in arbitrarily, please make the mnemonic words complex and unpredictable, and the length of the mnemonic words shall be at least 64 characters

◆ The mnemonic phrase is your only credential to enter the app. If you lose the mnemonic phrase, all your data on this app will never be restored (Include all your wallets), please keep it properly

◆ All your data only exists locally, if you are using a browser, please never delete localStorage on this website, otherwise all your data will not be restored (including all your wallets)

COPY MNEMONIC

Please enter : I have read and understood the above

I have read and understood the above

NEXT

According to the prompt information, enter the first 18 characters of the mnemonic phrase : surge
hockey dizzy



Create Mnemonic

Please enter the first 18 characters of the mnemonic phrase

surge hockey dizzy



NEXT

According to the prompt information, enter the last 18 characters of the mnemonic phrase : **e vague cluster**



Create Mnemonic

Please enter the last 18 characters of the mnemonic phrase

|e vague cluster



NEXT

Since the mnemonic phrase is very sensitive and will not be used frequently, you need to set the login password and payment password. They are at least 6 characters. If you forget the payment password and login password, you can reset them through the mnemonic phrase

Create Mnemonic

Reset Login Password

New Password

.....

×

Confirm Password

.....

×

Reset Password

New Password

.....

Confirm Password

.....

Confirm Create

Confirm to create your account and log in again

CANCEL

CONFIRM

NEXT

Step 2 : Login APP

- Since your data is encrypted and stored locally, you need to enter your mnemonic to decrypt the data when you enter the APP for the first time.
- We try our best to make the app security better. You can enter the app with your login password within a short time after you log in successfully. If you haven't used the app for a long time, you need to enter the mnemonic again next time you open it.
- After you log in successfully, you can choose to lock or log out of your APP in the personal center

[Register](#)

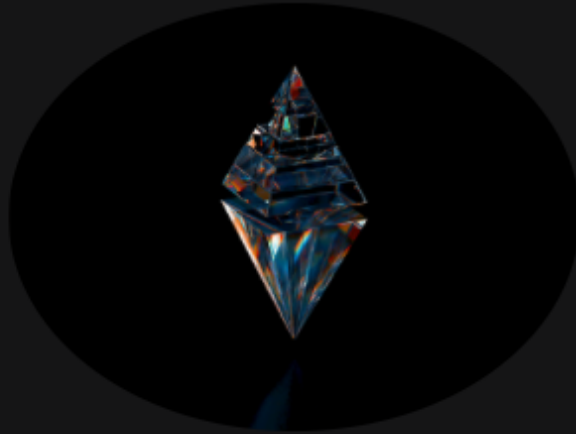


Mnemonic 78

surge hockey dizzy debris piano false stable switch tail
furnace vague cluster|

LOGIN

[Register](#)



Password

[Forget Password](#)

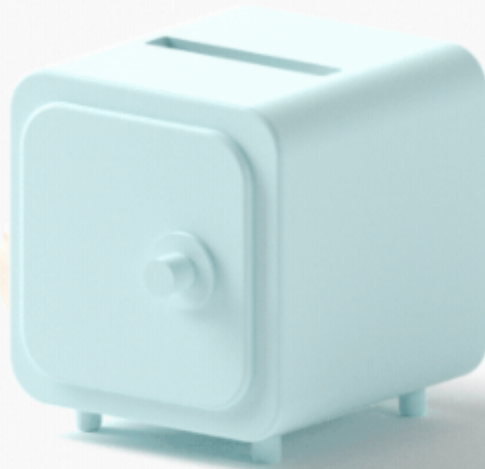
LOGIN

Step 3 : Add your Wallet

- You do not need to connect to the network to import and export the wallet, you can complete it in an environment disconnected from the network
- You can choose KeyStore file or private key to import your wallet
- If you want to add a new wallet, you can choose to randomly generate a wallet, click the Generate button, and it will generate a new wallet. If you are interested in this wallet, you can add it to your available wallets by clicking the import button



My Wallet



Wallet Add



Import Wallet



Generate Wallet



Active Wallet

ERC20

Please Select

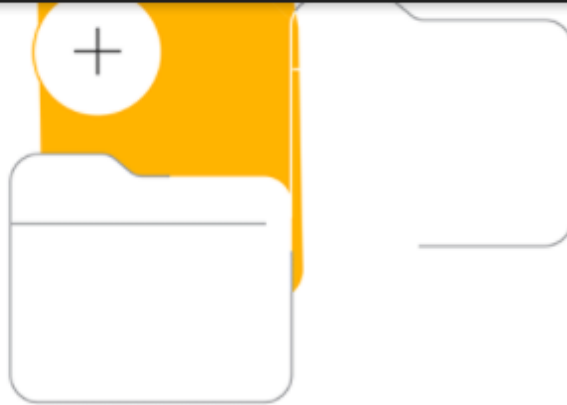


Wallet Alias





Import Wallet



Import Method

Keystore File ▾



Keystore File

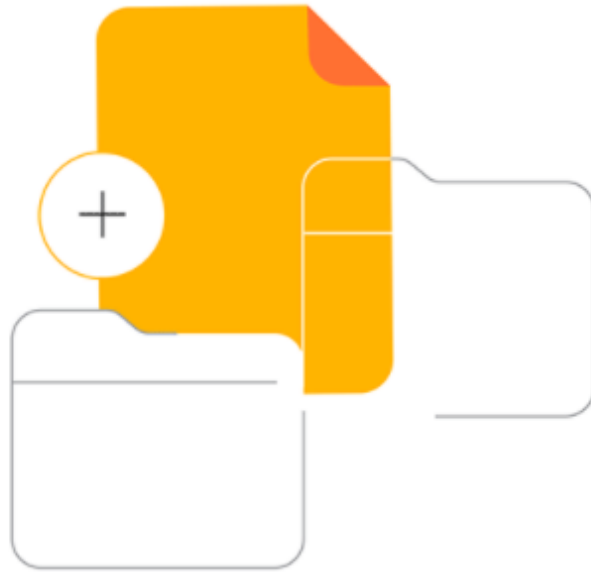


Wallet Password

IMPORT



Import Wallet



Import Method

Private Key ▾



Private Key

IMPORT




Generate Wallet

Random wallet generation [ERC20]




Address

0xFA8EF6E2B5a4920E67342C4D9b7A8EA70710BF43 




Public Key

0x04eb1b40c630412383e6ddbddd40f70880391f2ceaff80148
dbf9d7ff1a414d7a85d49c1e2f69f31f15c6ecb3e863a4af517
0c5a7ece11662829818b694ce98f1c5 



Private Key

0xd3ce433a25e33badf1b0810c3f458cc9b1b5ed64d385988
622c97f275e2a4cc2 

GENERATE

CONFIRM IMPORT

Step 4: Backup your wallet

The APP is rapidly iterating, it may be unstable, in order to avoid your money loss, we strongly recommend that you back up your wallet in time

<

My Wallet

Wallet Alias

Wallet Remark

SAVE

DELETE WALLET

Wallet List 『3』

0x520fe6c26fc604BB88F5F0D79aB73b3AF65F3CD8

0xa1A7e28A86D0984ce59c0f8f136d92278d2ab249

0xFA8EF6E2B5a4920E67342C4D9b7A8EA70710BF43

Please backup your wallet regularly

EXPORT

<

Payment Password

Please enter your payment password

Pay Password

.....

×

CONFIRM

Exported wallet JSON file

Be sure to keep the exported wallet file, the private key is very important to the wallet, without the private key you will not be able to restore your wallet

```
1  {
2    "exportTime": "2021-11-04 14:26:47",
3    "copyright": "ETH-LINE-APP-SUMMIT https://app.ethline.top",
4    "official": "https://app.ethline.top",
5    "walletList": [
6      {
7        "publicKey":
8        "0x042a1cf7c6ffc44f7fe00e188fd28c1edf2cf4a0571f8e2c9f5ba129db9bac7ac33a67565b837c
9        d619d49d94ed5bb7fbf5898fb2a249292ab612b85e6ff9f53484",
10       "privateKey":
11       "0x94963b7249e358b44c170c9d1cac2eef699f8f0674bfdb384b1cddc9c02ae6b5",
12       "address": "0x520fe6c26fc604BB88F5F0D79aB73b3AF65F3CD8"
13     },
14     {
15       "publicKey":
16       "0x0458cc84ec14225f484576903036e30e563270cc5679b6f6cd4f12681bf90415b64097c73e1d38
17       e80bb4b3dc0fc8e2f3955c225dfe9c799d527dd394e9ce798ea1",
18       "privateKey":
19       "0xffb564931f99b4da6dabccdde6afb7daadd72bf23a5a08d3725758ce70c698b",
20       "address": "0xa1A7e28A86D0984ce59c0f8f136d92278d2ab249"
21     }
22   ]
23 }
```

```
17         "publicKey":  
            "0x04eb1b40c630412383e6ddbddd40f70880391f2ceaff80148dbf9d7ff1a414d7a85d49c1e2f69f3  
            1f15c6ecb3e863a4af5170c5a7ece11662829818b694ce98f1c5",  
18         "privateKey":  
            "0xd3ce433a25e33badf1b0810c3f458cc9b1b5ed64d385988622c97f275e2a4cc2",  
19         "address": "0xFA8EF6E2B5a4920E67342C4D9b7A8EA70710BF43"  
20     }  
21 ]  
22 }
```

Step5 : Active your wallet


You have added available wallets, now you need to activate one of the wallets, because the wallet address is not easy to remember, you can add aliases and notes to the wallet, the alias of the wallet will be broadcast during chat



My Wallet

Active Wallet 

ERC20

Please Select 

Wallet Alias


Wallet Remark


SAVE


DELETE WALLET

Wallet List 『3』



0x520fe6c26fc604BB88F5F0D79aB73b3AF65F3CD8 

0xa1A7e28A86D0984ce59c0f8f136d92278d2ab249 

0xFA8EF6E2B5a4920E67342C4D9b7A8EA70710BF43 



My Wallet



Import Wallet



Generate Wallet



Active Wallet 

ERC20

0x520fe6c26fc604BB88F5F0D79aB73b3AF65F3CD8



Wallet Alias

first wallet



Wallet Remark

ETH Line APP

SAVE

DELETE WALLET

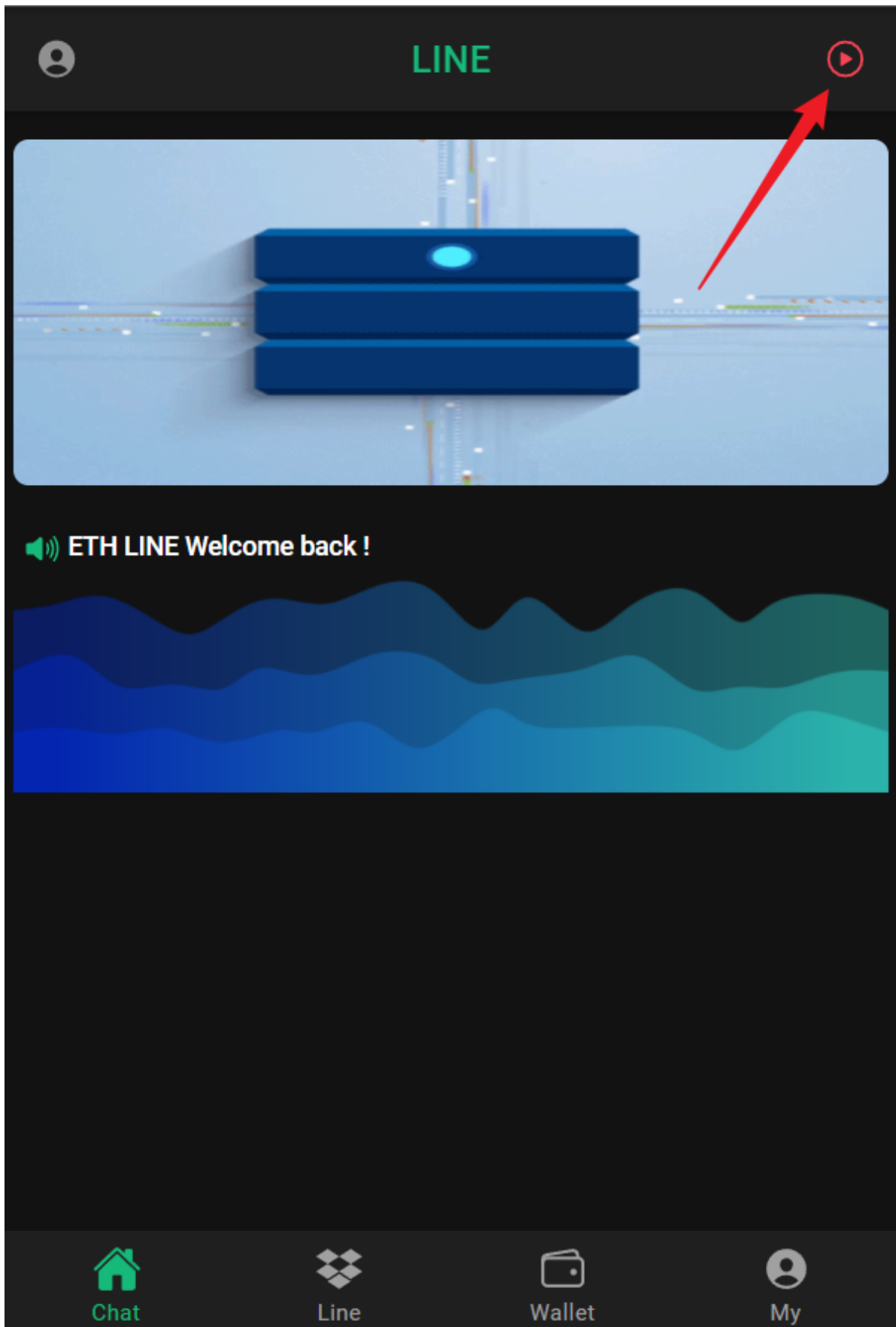
Wallet List [2]



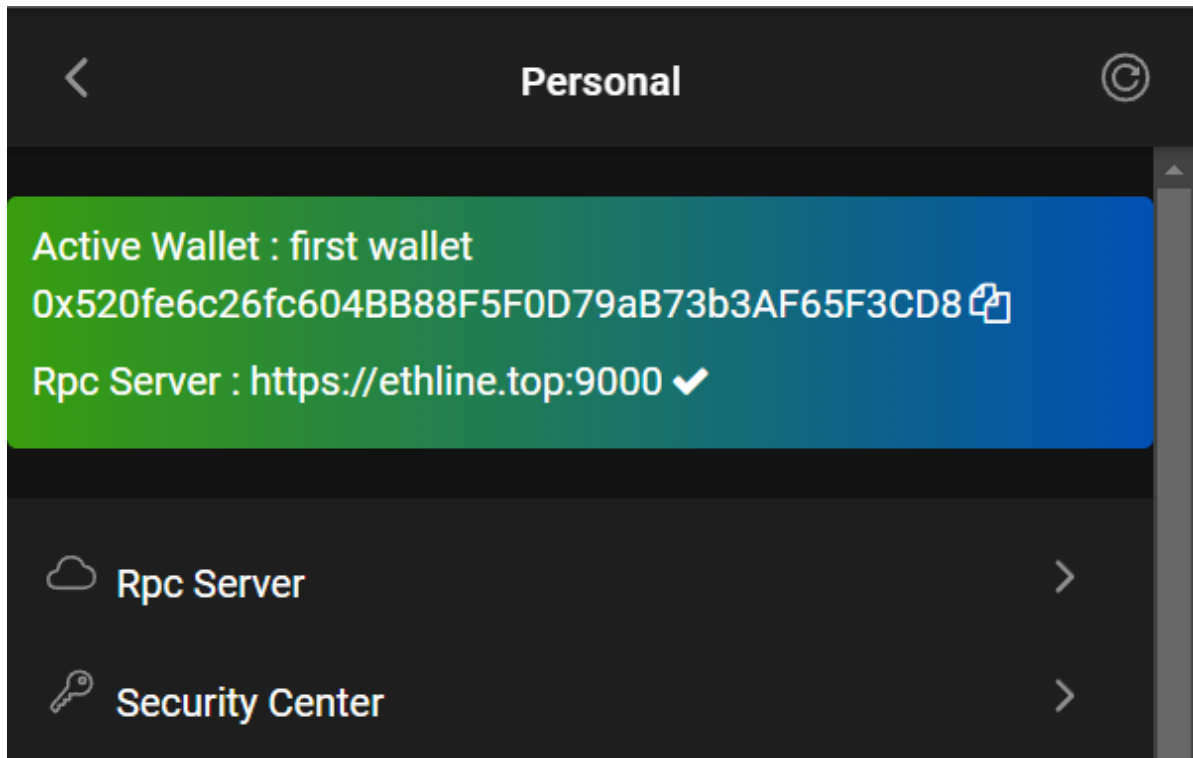
Save Success

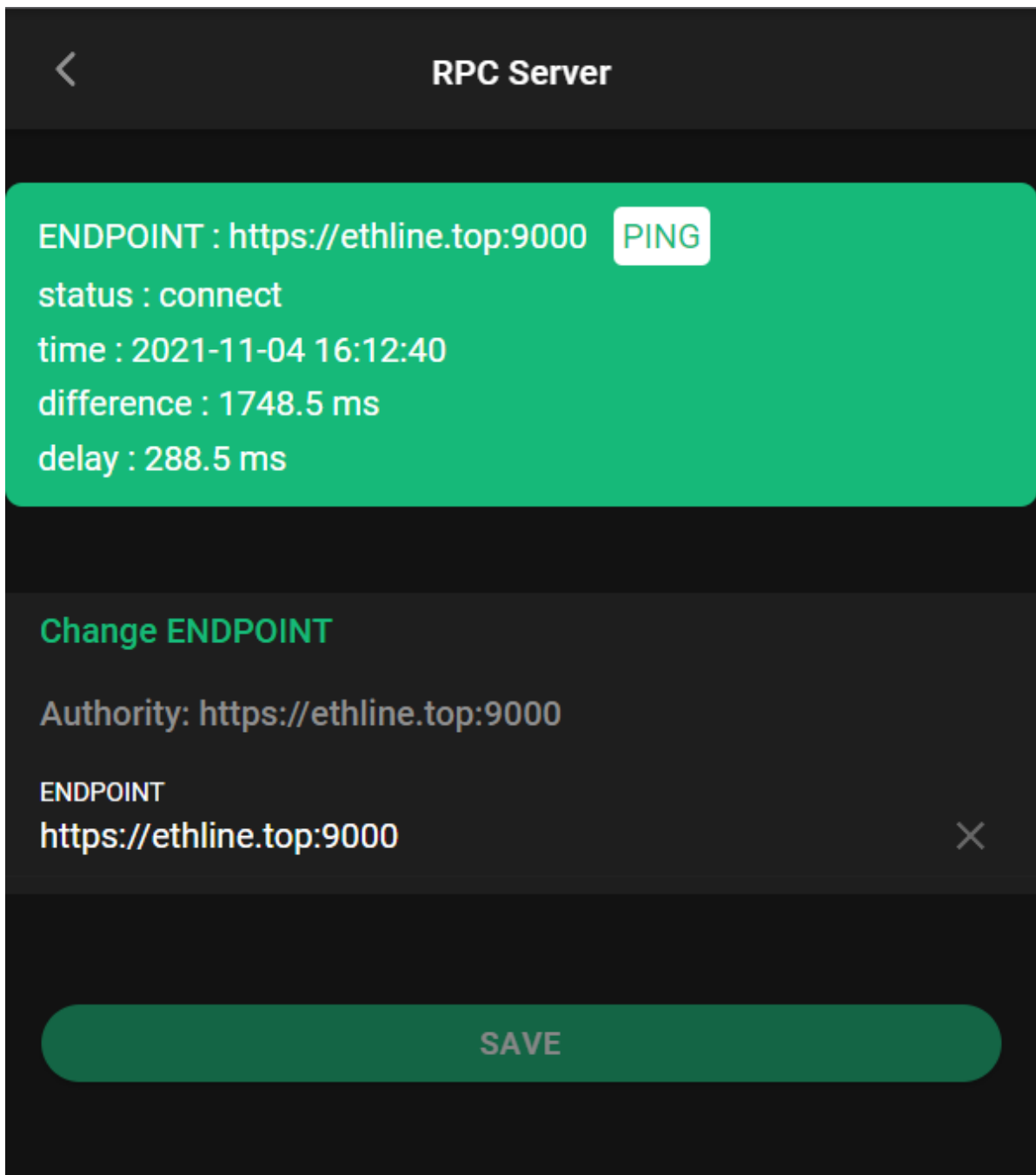
Step 6: Connect to RPC server

By default, the app will not establish a connection with the RPC server. If you want to establish a connection with the server, you must first turn on the switch



- You can monitor the network connection status between the app and the server in the personal center in real time
- You can also customize the rpc server address, please do not connect to untrusted rpc nodes easily





Step 7 : Start live chat

- Here, you can see all the wallet addresses that are connected to the current RPC node and their broadcast names
- When you send a message with one of the wallet addresses, it is encrypted end-to-end, and only you and him can unlock this encrypted message

Q 2



first wallet

0x520fe6c26fc604BB88F5F0D79aB73b3AF65



second wallet

0xB28B029790744865Aa3D2B6ab376D7A4A



Chat



Line



Wallet



My



second w



This is my first encrypted message, only me and you can unlock
it 🐼





second w



11-04 16:19:23

This is my first encrypted message, only me and you can unlock it 🐧



Message



Q 2



first wallet

This is my first 16:19

0x520fe6c26fc604BB88F5F0D79aB73b3AF65

1



second wallet

0xB28B029790744865Aa3D2B6ab376D7A4A



Chat



Line



Wallet



My



first wa



11-04 16:19:23

This is my first encrypted message, only me and you
can unlock it 🐼



I successfully received your message 🦊





second w



11-04 16:19:23

This is my first encrypted message, only me and you can unlock it 🐧

11-04 16:20:40

I successfully received your message 🐧



Message





Personal



Rpc Server



Security Center



My Wallet



Change Language



Online C



Confirm locked account



Share



After the account is locked, you will log in again with the password



Feedba



Check U



CANCEL

CONFIRM



Lock Account



EXIT

Please Do not Disclose Password or OTP to anyone



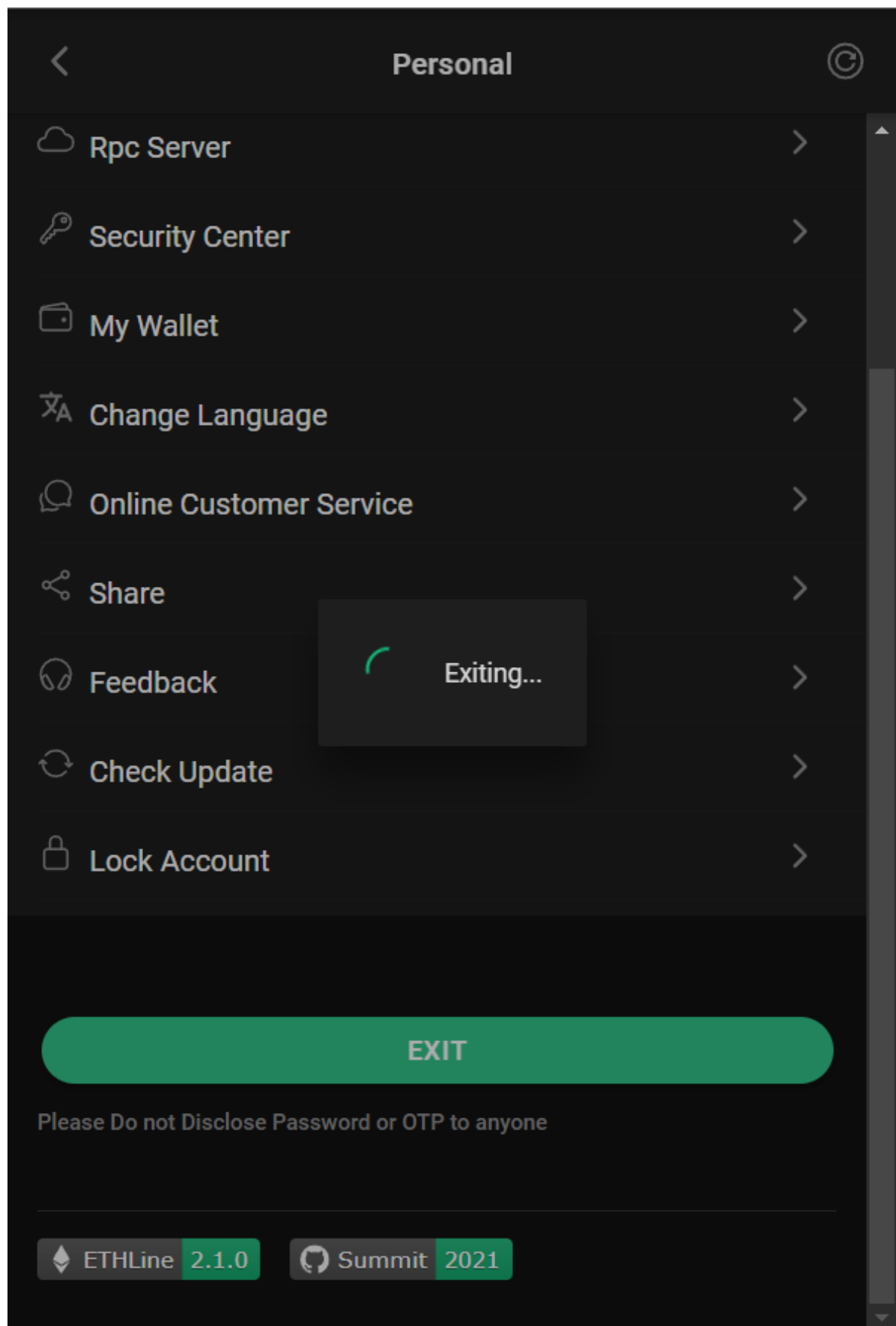
ETHLine 2.1.0



Summit 2021

Exit Account

After you log out of your account, you need to enter the mnemonic phrase to enter the APP again



✦ Deploy ETH Line Node

If you want to deploy a set of your own **ETH Line Node**, please read the documentation carefully, it may be a bit complicated, but it is simple.

ENV: **Centos 8** | **Java : JDK17 - JDK-18-internal**

[Deployment document](#)

ETH Line Protocol

Language : **Protocol Buffers**

Protocol buffers are a language-neutral, platform-neutral extensible mechanism for serializing structured data.

The data of ETH Line is end-to-end encrypted, encoded by protobuf, the original **proto protocol file** (including all rpc services and transmitted data types) is contained in the protocol folder, and the **jar package** is the latest protocol used on the server, **TypeScript** Is the latest protocol used by the **client**

License

 license **MIT** **MIT LICENSE**

Contributing

Email : ethLineSummit@outlook.com

Contributions, issues and feature requests are welcome in both projects. Feel free to check the **issues page** if you would like to contribute.

