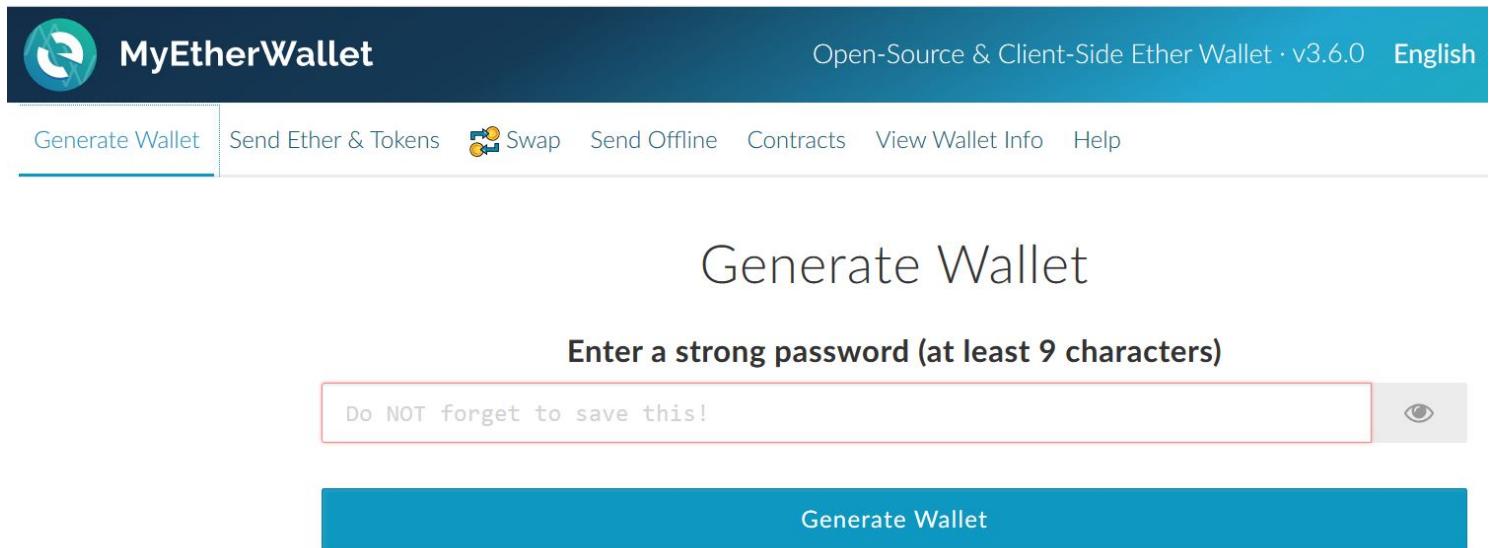# GOZ Token Tutorial

In order to use anything on the Ethereum network a person needs to have an Ethereum account. The easiest way to do this at the moment, is with [MyEtherWallet](#)

Generate an Ethereum Account

Step 1
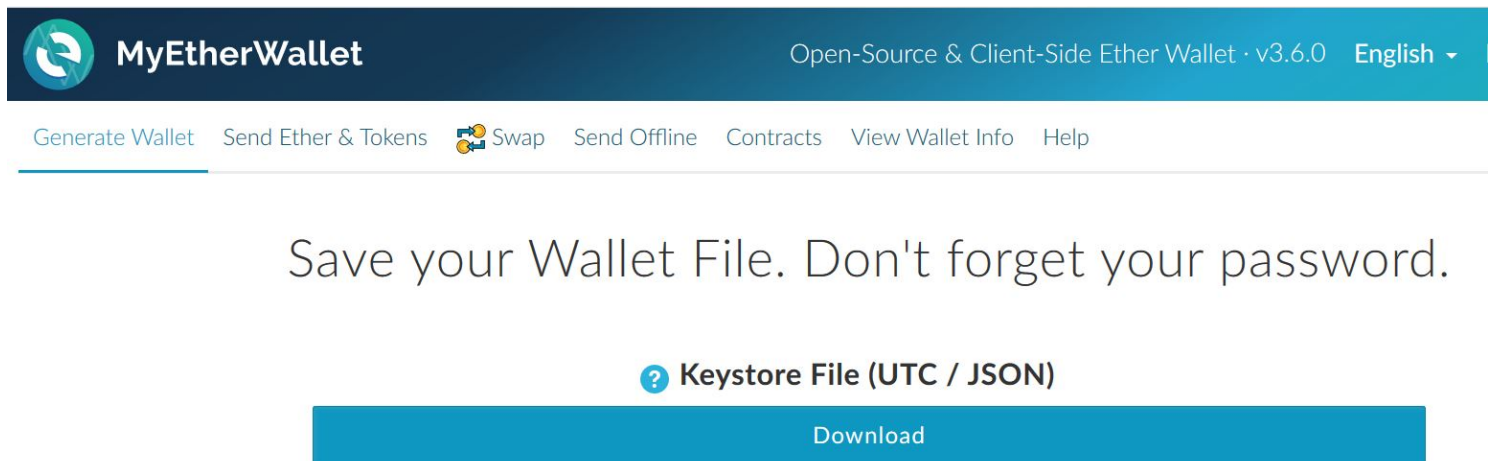
Click on Generate Wallet and enter a good password. You will always be able to regenerate the same account from the same password.

Click download and save the `json` file **BUT** keep this file safe and private. Any person who gets their hands on this file can now access your account, so store it safely.

```
v {
    "Crypto": {
        "cipher": "aes-128-ctr",
        "cipherparams": {
            "iv": "c0e449bacff7e96ad2f1ffcec035e5d5"
        },
        "ciphertext": "7acd62c344c132a6394bd893925ce6f7dcc8e1a309ef3fdb38add9dc36ed222a",
        "kdf": "scrypt",
        "kdfparams": {
            "dklen": 32,
            "n": 1024,
            "p": 1,
            "r": 8,
            "salt": "c79da7b89163fb483fbb3387dae90bd8d9b8aecfc3d4b96654a81d72cd179c71"
        },
        "mac": "67e77a11735714ba5447a2a8487a2f624a6a1055c70ce6edf59cee76f23ff5fe"
    },
    "address": "c0d3ca408fcec7672f1efa8faf119a39634a94eb",
    "id": "8cf7ba3c-9b7f-40b4-a771-5a91a9ea408d",
    "version": 3
}
```

Open the file and look at `ciphertext.` This value is your private key. This private key is the part that MUST be kept secret.

Generate Wallet   Send Ether & Tokens   Swap   Send Offline   Contracts   View Wallet Info   Help

- View Wallet Info

This allows you to download different versions of private keys and re-print your paper wallet. You may want to do this in order to import your account into Geth/Mist. If you want to check your balance, we recommend using a blockchain explorer like etherscan.io.

How would you like to access your wallet?

○ Keystore File (UTC / JSON)

⦿ Private Key

○ Mnemonic Phrase

○ Parity Phrase

○ Ledger Nano S

○ TREZOR

○ View with Address Only

Paste/Type Your Private Key

7acd62c344c132a6394bd893925ce6f7dcc8
e1a309ef3fdb38add9dc36ed222a

Unlock your Wallet

Unlock

Copy this **ciphertext/private key** into memory and go to the **View Wallet Info** tab at the top of the page.

Select the Private Key radio button and paste your private key into the box. **Click Unlock.**

+ View Wallet Info

Account Address

0xcb301B2d36C212490a5F780B2Cf2B6b6757f7713

Account Balance

0 ETH

Token Balances

Show All Tokens   Add Custom Token

Equivalent Values

0 BTC
0 REP
0 EUR
0 CHF
0 USD

Swap via Bity

Success! Here are your wallet details.

? **Your Address**

cb301B2d36C212490a5F780B2Cf2B6b6757f7713

? **Private Key (unencrypted)**

7eed62c2441c122a6204bd80202fac6f7dcc0c1a202ef2fdb32add0dc36ed222a

? **Print Paper Wallet**

Print Paper Wallet

Sign Message or Verify Message

? **Message**

This is user kvhnuke on reddit. The purpose of this message is to prove that 0x7cB57B5A97eAbe94205C07890BE4c1aD31E486A8 is my address.

Now you can access your Ethereum account! It is here that you will find your Ethereum address, view the balance that this account has in it, view any tokens that it has, and other interesting things also.

Get Ether

As you can see, new accounts do not hold any Ether and you will have to get some.

Generate Wallet   Send Ether & Tokens   Swap   Send Offline   Contracts   View Wallet Info   Help

Current Rates

| 1 | ETH = 0.034938 BTC | | 1 | BTC = 27.386756 ETH |
| 1 | ETH = 4.358901 REP | BITY | 1 | BTC = 117.481203 REP |

I want to swap my [Amount] ETH ▾ for [0] BTC ▾

Let's do this!

Click on the **Swap** tab at the top of the page to exchange your bitcoins for Ether. Alternatively you may use [ShapeShift](#)

Exchange for GOZ Tokens

Once you have some Ether, you are ready to exchange those Ether for **GOZ Tokens!**

The GOZToken smart contract is an Ethereum ERC20 compliant token, which means that you can exchange GOZ tokens on any Ethereum based exchange.

The address of the GOZToken is at: **0x7bcad73c4e06ab9c74c0b78903dbdf572cc0a49c (TEST)**

The source code of the GOZToken can be found at:

https://github.com/RFVenter/GOZ-token/blob/master/contracts/Token.sol

To purchase GOZ tokens during the ICO phase you will have to use another smart contract which has been designed to sell tokens at the correct price during this time.

The address of the TokenPurchase is at: **0xb0028c15726ba8ea2fe0e8a3ffd4a2b565744888 (TEST)**

The source code of the TokenPurchase can be found at:

https://github.com/RFVenter/GOZ-token/blob/master/contracts/TokenPurchase.sol

To exchange Ether for GOZ tokens you simply have to send the amount of Ether you wish to convert to GOZ tokens, to the TokenPurchase smart contract at **0xb0028c15726ba8ea2fe0e8a3ffd4a2b565744888 (TEST)**. The smart contract will automatically allocate your tokens to your Ethereum address.

Congratulations, you now have **GOZ tokens**!

Check your GOZ Tokens

Generate Wallet   Send Ether & Tokens   Swap   Send Offline   Contracts   View Wallet Info   Help

View Wallet Info

This allows you to download different versions of private keys and re-print your paper wallet. You may want to do this in order to import your account into Geth/Mist. If you want to check your balance, we recommend using a blockchain explorer like etherscan.io.

How would you like to access your wallet?

○ Keystore File (UTC / JSON)

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○ Parity Phrase

○ Ledger Nano S

○ TREZOR

○ View with Address Only

Paste/Type Your Private Key

Unlock your Wallet

Unlock

Next you will want to go to your Ethereum account and see your GOZ tokens. Click on the **View Wallet Info** tab and enter your private key again, if the site asks you for it.

+ View Wallet Info

Account Address

0xA813e13d85D61c36D2fEc4621Ce85B5DDE9e83DF

Account Balance

0.04761788 ETH

Token Balances

Show All Tokens   Add Custom Token

Equivalent Values

0.00192 BTC
0.18987 REP
2.17089 EUR
2.3206 CHF
2.31794 USD

Swap via Bity

Click **Add Custom Token** and enter the address **0x7bcad73c4e06ab9c74c0b78903dbdf572cc0a49c (TEST)** of GOZToken into the Address box, **GOZ** into the Token Symbol box, and **18** into the Decimals box and **Save**

You will no be able to see GOZ tokens for any and each Ethereum account that you may have.

Use GOZToken smart contract and Tokens

Once you have GOZ Tokens you can do several things with it. Since this is an ERC20 compliant token you can basically exchange GOZ tokens on any Ethereum exchange, and there are several. You can exchange them for other tokens, or sell them back to Ether at a later stage.

To use them on MyEtherWallet, click on **Send Ether & Tokens** tab. Enter your private key and Unlock.

MyEtherWallet

Open-Source & Client-Side Ether Wallet · v3.6.0   **English** ▾   ETH (M

Generate Wallet   Send Ether & Tokens   Swap   Send Offline   Contracts   View Wallet Info   Help

Interact with Contract or Deploy Contract

Contract Address   or   **Select Existing Contract**

0x2cc273f8c6436ca73f... 666920c20c2   Select a contract...

ABI / JSON Interface

Access

Read / Write Contract

startTime ▾

↳ uint256

1492007400

Now, enter the address **0x7bcad73c4e06ab9c74c0b78903dbdf572cc0a49c (TEST)** of GOZToken into the Contract Address box.

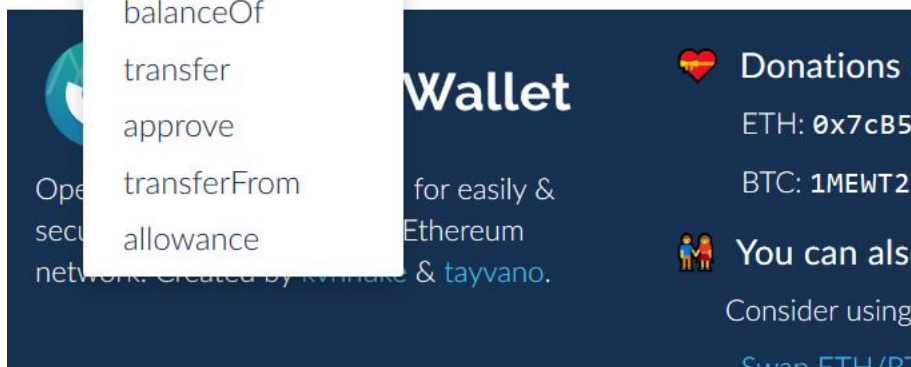**Copy and paste** the GOZToken ABI code from the box below.

click **Access**

```
[{"constant":true,"inputs":[],"name":"name","outputs":[{"name":"","type":"string"}],"payable":false,"type":"function"},
{"constant":false,"inputs":[{"name":"_spender","type":"address"},{"name":"_value","type":"uint256"}],"name":"approve","outputs":
[{"name":"success","type":"bool"}],"payable":false,"type":"function"},{"constant":true,"inputs":[],"name":"totalSupply","outputs":
[{"name":"","type":"uint256"}],"payable":false,"type":"function"},{"constant":false,"inputs":[{"name":"_from","type":"address"},
{"name":"_to","type":"address"},{"name":"_value","type":"uint256"}],"name":"transferFrom","outputs":
[{"name":"success","type":"bool"}],"payable":false,"type":"function"},{"constant":true,"inputs":[],"name":"decimals","outputs":
[{"name":"","type":"uint256"}],"payable":false,"type":"function"},{"constant":true,"inputs":
[{"name":"_owner","type":"address"}],"name":"balanceOf","outputs":[{"name":"balance","type":"uint256"}],"payable":false,"type":"function"},
{"constant":true,"inputs":[],"name":"owner","outputs":[{"name":"","type":"address"}],"payable":false,"type":"function"},
{"constant":true,"inputs":[],"name":"symbol","outputs":[{"name":"","type":"string"}],"payable":false,"type":"function"},
{"constant":false,"inputs":[{"name":"_to","type":"address"},{"name":"_value","type":"uint256"}],"name":"transfer","outputs":
[{"name":"success","type":"bool"}],"payable":false,"type":"function"},{"constant":true,"inputs":[{"name":"_owner","type":"address"},
{"name":"_spender","type":"address"}],"name":"allowance","outputs":[{"name":"remaining","type":"uint256"}],"payable":false,"type":"function"},
{"constant":false,"inputs":[{"name":"_newOwner","type":"address"}],"name":"transferOwnership","outputs":[],"payable":false,"type":"function"},
{"inputs":[],"payable":false,"type":"constructor"},{"anonymous":false,"inputs":[{"indexed":true,"name":"from","type":"address"},
{"indexed":true,"name":"to","type":"address"},{"indexed":false,"name":"value","type":"uint256"}],"name":"Transfer","type":"event"},
{"anonymous":false,"inputs":[{"indexed":true,"name":"owner","type":"address"},{"indexed":true,"name":"spender","type":"address"},
{"indexed":false,"name":"value","type":"uint256"}],"name":"Approval","type":"event"}]
```

Read / Write Contract

startTime ▾

- name
- symbol
- totalSupply
- decimals
- startTime
- closeTime
- price
- allocationRatio
- balanceOf
- transfer
- approve
- transferFrom
- allowance

Wallet

Ope ... for easily &
secu ... Ethereum
netw... Created by ... & tayvano.

💜 Donations a
ETH: 0x7cB5
BTC: 1MEWT2
👫 You can als
Consider using
Swap ETH/B...

Now you can access all the public functions that this smart contract has. For more information about ERC20 complaint Tokens goto to [ERC20](#)

price ▾

↳ uint256

33333333333333333

totalSupply ▾

↳ uint256

1000000000000000000000000000

If you select price you can see that it has a lot of digits. Ethereum has high precision and uses 18 decimal standard precision.

balanceOf ▾

_owner address

0x314156...

↳ **balance** uint256

151

READ

The function shows you how many tokens your account has.

transfer ▾

_to address

0x314156...

_value uint256

151

WRITE

This function allows you to transfer your tokens to another Ethereum address, like your friends.

Conclusion

Using GOZ Tokens are fun and easy. If you need more information about Ethereum Tokens, just Google it.