


# Veritaseum 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, is with [MyEtherWallet](#)

## Generate an Ethereum Account

### Step 1

 **MyEtherWallet** Open-Source & Client-Side Ether Wallet · v3.6.0 English


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## Generate Wallet

Enter a strong password (at least 9 characters)


Generate Wallet

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

 **MyEtherWallet** Open-Source & Client-Side Ether Wallet · v3.6.0 English

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## Save your Wallet File. Don't forget your password.

 **Keystore File (UTC / JSON)**

Download

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.**

```

{
  "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.**

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## - 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](#).

<p><b>How would you like to access your wallet?</b></p> <p> <input type="radio"/> Keystore File (UTC / JSON)  <input checked="" type="radio"/> Private Key  <input type="radio"/> Mnemonic Phrase  <input type="radio"/> Parity Phrase  <input type="radio"/> Ledger Nano S  <input type="radio"/> TREZOR  <input type="radio"/> View with Address Only         </p>	<p><b>Paste/Type Your Private Key</b></p> <div style="border: 1px solid #ccc; padding: 5px; min-height: 60px;"> <pre>7acd62c344c132a6394bd893925ce6f7dcc8e1a309ef3fdb38add9dc36ed222a</pre> </div>	<p><b>Unlock your Wallet</b></p> <div style="background-color: #007bff; color: white; text-align: center; padding: 10px; width: 100px; margin: 0 auto;">       Unlock     </div>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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



0xcb901D2d36C212490aEf780B2Cf9D6b67F7f7719

### 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

0xcb901D2d36C212490aEf780B2Cf9D6b67F7f7719



### ? Private Key (unencrypted)

7acd62c344c132a6394bd893925ce6f7dcc8e1a309ef3fdb38add9dc36ed222a

### ? 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	1	BTC = 117.481203 REP

I want to swap my   for

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 VERI Tokens

Once you have some Ether, you are ready to exchange those Ether for **Veritaseum Tokens!** One VERI Token costs 0.033333333333 Ether, so for one Ether you get 30 VERI Tokens!

The ICO crowdfunding stage is from **2017 April 25th 9:30 EST (14:30 UTC)** and lasts for 31 days. There is even a 20% discount for tokens purchased on day one (after the start), a 10% discount for tokens purchased on day two (after the start), and every consecutive day the discounted rate will reduce by 1% per day until the normal price is reached (day 12)!

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

The address of the VeritaseumToken is at: **TTTTT**

**The source code of the** VeritaseumToken can be found at:

<https://github.com/RFVenter/Veritaseum/blob/master/contracts/VeritaseumToken.sol>

To purchase VERI 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: **PPPPP**

**The source code of the** TokenPurchase can be found at:

<https://github.com/RFVenter/Veritaseum/blob/master/contracts/TokenPurchase.sol>

# Interact with Contract or Deploy Contract

Contract Address

or

Select Existing Contract

0x4e7327c05c312d2a37ee6d3e377329cef617b19e

Select a contract...

ABI / JSON Interface

```
[{"constant":false,"inputs":[],"name":"purchaseTokens","outputs":[{"name":"","type":"uint256"}],"payable":true,"type":"function"}, {"constant":true,"inputs":[],"name":"startTime","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"closeTime","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"owner","outputs":[{"name":"","type":"address"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"price","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}]
```

Access

Read / Write Contract

price ▾

purchaseTokens  
startTime  
closeTime  
owner  
price

333

Click on the **Interact with Contract** tab at the top of the page. Enter Contract address **PPPPP**.

**Copy and paste** the TokenPurchase ABI code from the box below:

```
[{"constant":false,"inputs":[],"name":"purchaseTokens","outputs":[{"name":"","type":"uint256"}],"payable":true,"type":"function"}, {"constant":true,"inputs":[],"name":"startTime","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"closeTime","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"owner","outputs":[{"name":"","type":"address"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"price","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}]
```

*If the site asks you again, then enter your private key again and **Unlock**.*

Read / Write Contract

purchaseTokens ▾

WRITE

Click **WRITE**

## Warning!



You are about to **execute a function on contract** on the **ETH** chain.

The **ETH** node you are sending through is provided by **MyEtherWallet**.

Amount to Send

10

Gas Limit

80000

Generate Transaction

To exchange Ether for VERI tokens you simply have to send the amount of Ether you wish to convert to VERI tokens, to the TokenPurchase smart contract. The smart contract will automatically allocate your tokens to your Ethereum address.

Increase the Gas Limit to about 80,000 and Click **Generate Transaction**

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

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## 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

[Redacted Private Key]

### Unlock your Wallet

Unlock



Next you will want to go to your Ethereum account and see your VERI 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



0xA813e13d85D61c36D2fEc4621Ce85B5DDE9e  
83DF

### 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 (**TTTTT**) of VeritaseumToken into the Address box, **VERI** into the Token Symbol box, and **18** into the Decimals box and **Save**

### Token Balances

Show All Tokens

Add Custom Token

### Address

0xe0a6671e800d5e9013d7009fd27ca7e212722b9b

### Token Symbol

VERI

### Decimals

18

Save

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

#### Account Balance

0.04761788 ETH

#### Token Balances

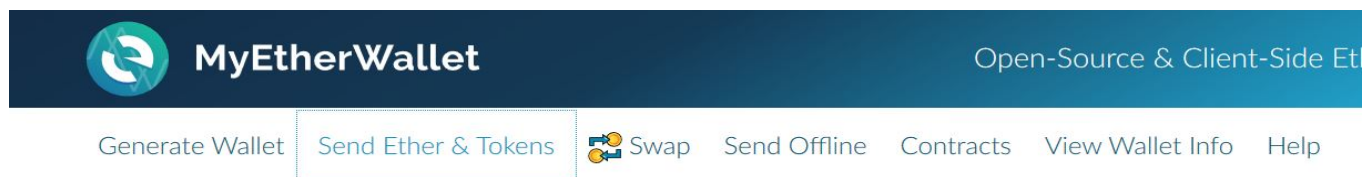
✖ 0.750000000000 VERI  
0000018

Show All Tokens

Add Custom Token

## Use VeritaseumToken smart contract and Tokens

Once you have Veritaseum Tokens you can do several things with it. Since this is an ERC20 compliant token you can basically exchange VERI 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.



### - Send Ether & Tokens

#### How would you like to access your wallet?

- ☐ Keystore File (UTC / JSON)
- ☐ Private Key
- ☐ Mnemonic Phrase
- ☐ Parity Phrase
- ☐ Ledger Nano S
- ☐ TREZOR

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





## Interact with Contract or Deploy Contract

### Contract Address

or

### Select Existing Contract

0x2cc2720ec4263ca730e6209348673665939c29e2

Select a contract...

### ABI / JSON Interface

```
[{"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"}, {"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"}]
```

Access

### Read / Write Contract

startTime ▾

uint256

1492007400

Now, enter the address (TTTTT) of VeritaseumToken into the Contract Address box.

**Copy and paste** the VeritaseumToken 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": "balanceOf", "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"}, {"inputs": [{"name": "remaining", "type": "uint256"}], "name": "remaining", "type": "uint256"}, {"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

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

[illegible]

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

price ▼

[illegible]

3333333333333333

The cost of this token is 0.033,333,333,333,333 Ether per one token. OR 1 Ether is 30 tokens.

balanceOf ▼

`_owner` address

↳ **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 Veritaseum Tokens are fun and easy. If you need more information about Ethereum Tokens, just Google it.