How to purchase ICO Token

Preparations

- 1) Coins (Bitcoin / Ethereum)
  - Please refer to the ICO website for which coins and how much is the ICO token
- 2) Ethereum Wallet
  - For holding ICO token
  - Cloud wallet, Web wallet, Chrome Extension, Desktop wallet (Chrome Extension is recommended)
  - Important : Some ETH (~ 0.001) is needed to transfer the token to others
- 4) email address
  - For contact when something is wrong
- 5) Payment address and Token contract address
  - Please refer to the ICO website for the addresses

Ethereum Wallet

- NOT a normal ETH account
  - Normally does not support ICO tokens
  - Exchange wallets only support the coins listed on exchange

- Cloud wallet
  - e.g. https://eidoo.io/ https://citowise.com/ (So far only these two)
  - Convenience (mobile app + web panel)
  - Support most listed or unlisted ICO
  - Does not support hardware wallet
 - Private key is kept inside the device

Ethereum Wallet

- Web wallet
  - Visit a website to do all wallet operations
  - https://www.myetherwallet.com/
  - No need to install anything on PC
  - Support hardware wallet
  - Need to keep private key yourself

- MetaMask (chrome extension)
  - Least transaction fee and fastest transaction
  - Support hardware wallet
  - Private key is kept in PC by default
 - Wallet at risk if you visit malicious website
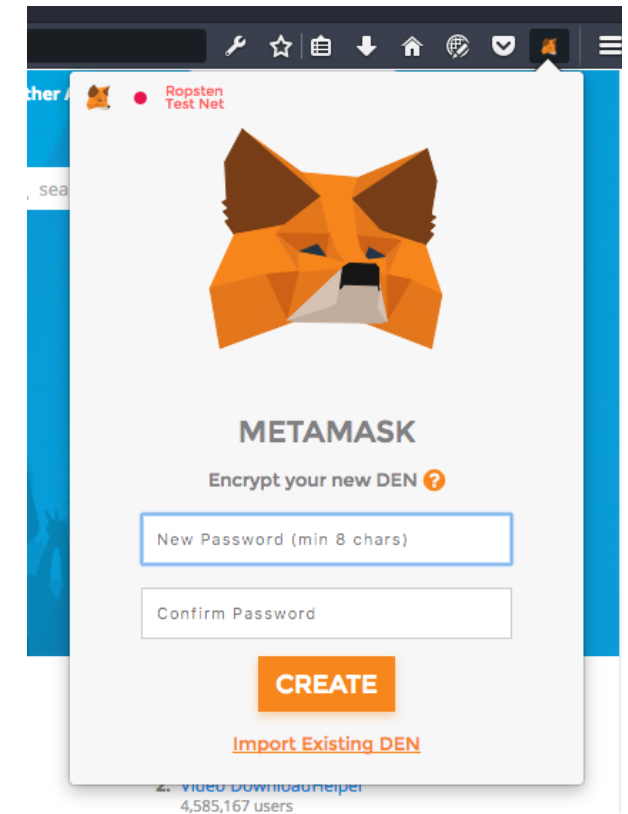
Ethereum Wallet

- Desktop wallet (Official Ethereum wallet)
  - https://github.com/ethereum/mist/releases/
  - Support all ERC-20 ICO token (no matter it is listed on exchange or not)
  - Most secure (it works as long as Ethereum exists)
  - Support hardware wallet
  - Higher transaction fee and likely slower transaction
    - (depends on peers connected)
  - Private key is kept in the PC by default
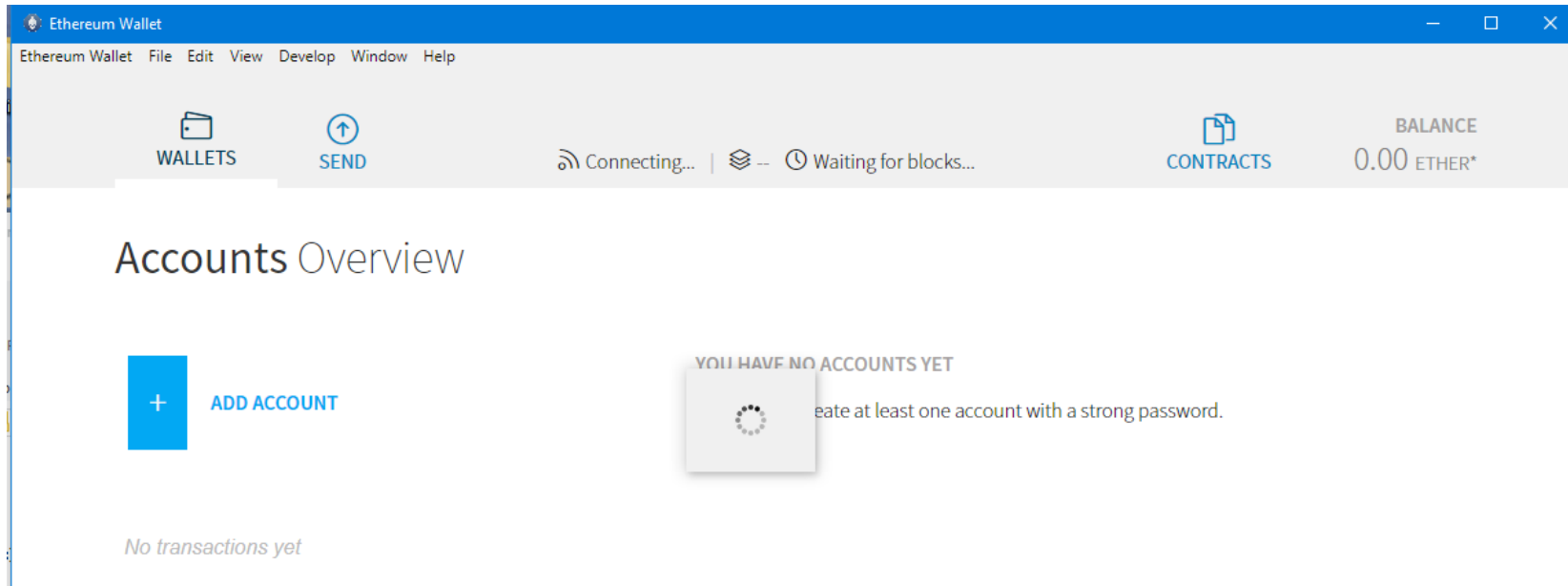
Private Key and Hardware Wallet

- Your Ethereum wallet depends on a private key

- Have private key ➜ Full control to your wallet

- Lose private key ➜ Lost your wallet completely

- Normally, private key is kept in an encrypted keystore file
  - (no well known file extension)

- Hardware wallet (Trezor / Ledger Nano S)
  - A special encrypted USB to keep private keys
  - Need a wallet (web / MetaMask / desktop wallet)
    to do transactions

Security best practice (if keeping for long time)

- Backup the keystore or private key into hardware wallet or encrypted USB and keep it in a secure place (e.g. home safe)
  - Use a strong password to protect it

- Print your private key / 12 words recovery phrases on a paper and store it inside another secret secure place (e.g. bank vault)

- Remove your wallet, and any trace of private key / wallet on PC completely

- Import your key to a newly created wallet when you need, and remove wallet afterwards

Payment address and Token contract address

- Payment address
  - The address you send the coins to
  - Can be in text or in QR code
  - Different coins should have different addresses but not necessary
  - e.g. 0x80d8E8477708166E89A4DbF3A5Bec9ADce3703F6

- Token contract address
  - Address for your Ethereum Wallet to access the ICO token
  - Same format as payment address
  - In text
 - e.g. 0x6e403df62b5e5d2991519fee1768291b1bfeeb8b

Feel free to send me ETH ☺

Purchase Steps

- 1) Create an address in your wallet to receive the ICO token
- 2) Transfer the money to specified address and get a transaction ID
- 3) Register payment information and address on ICO website
- 4) Wait for around 1 day, token will be sent to your wallet

- Note : you may use the same address for different ICO
- In the following, the process will be demo MetaMask by paying in ETH

Create an address (MetaMask) 1

- Step 1 : Open Chrome, goes to Chrome Web Store to install MetaMask

- https://chrome.google.com/webstore/detail/metamask/nkbihfbeogaeaoehlefnkodbefgpgknn
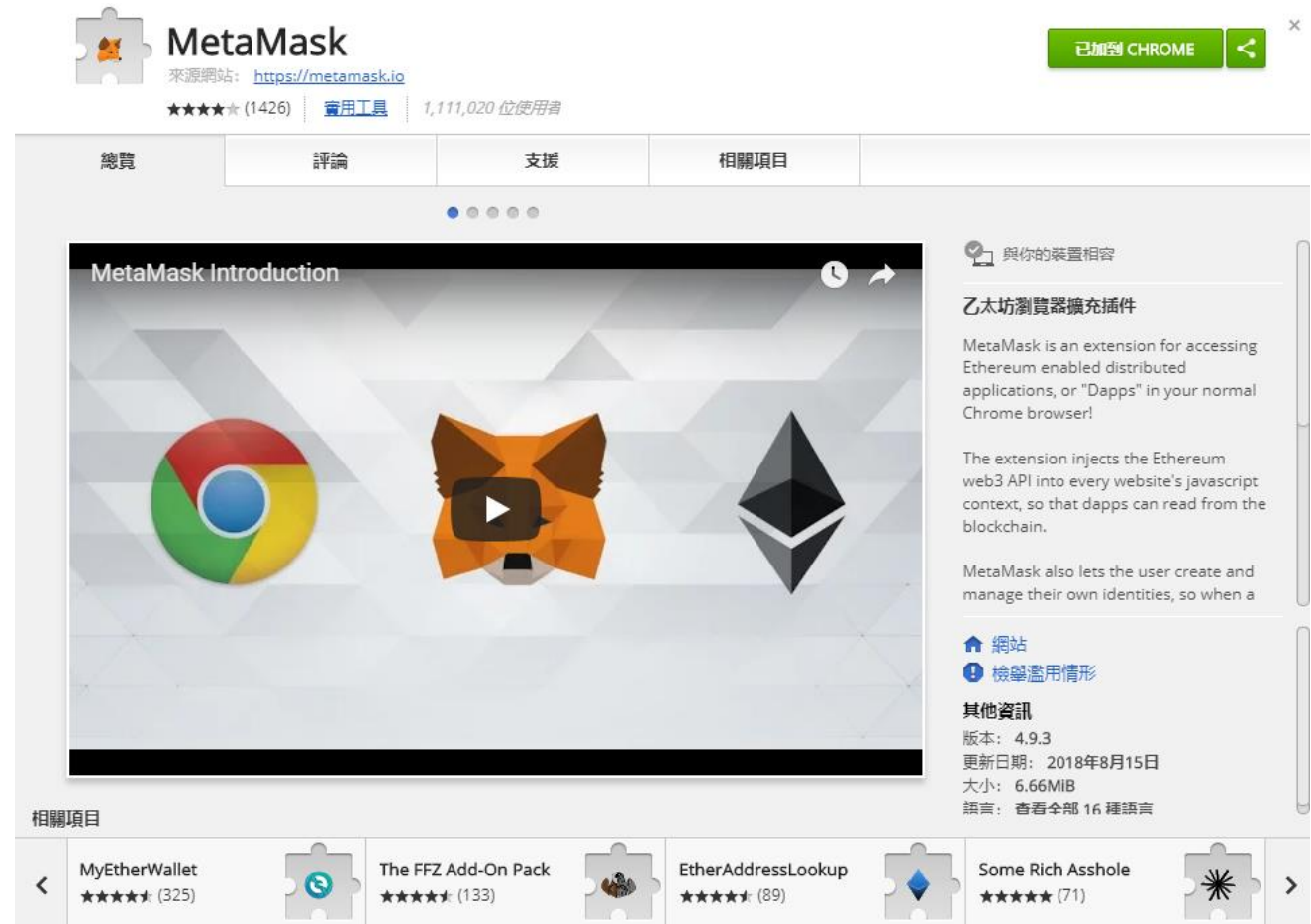
Create an address (MetaMask) 2

- After installing, click on the Fox icon on the top right hand corner and create a wallet

- Input a strong password to encrypt the private key

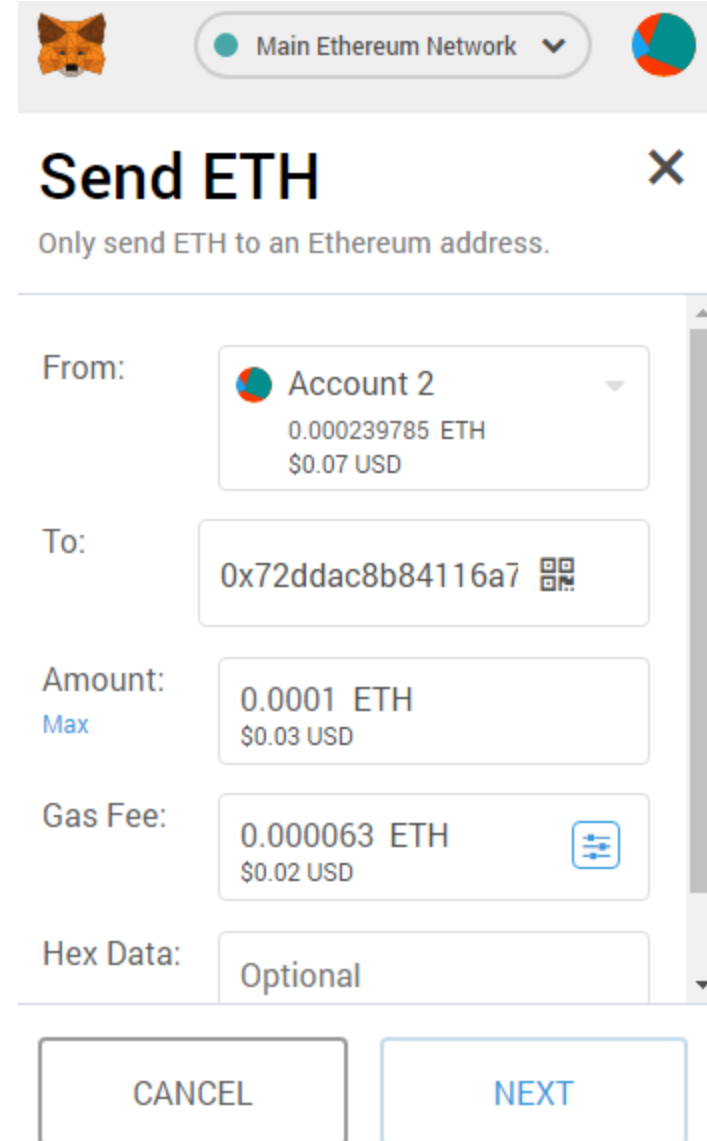- Optional : back up the 12 words recovery phrase and private key
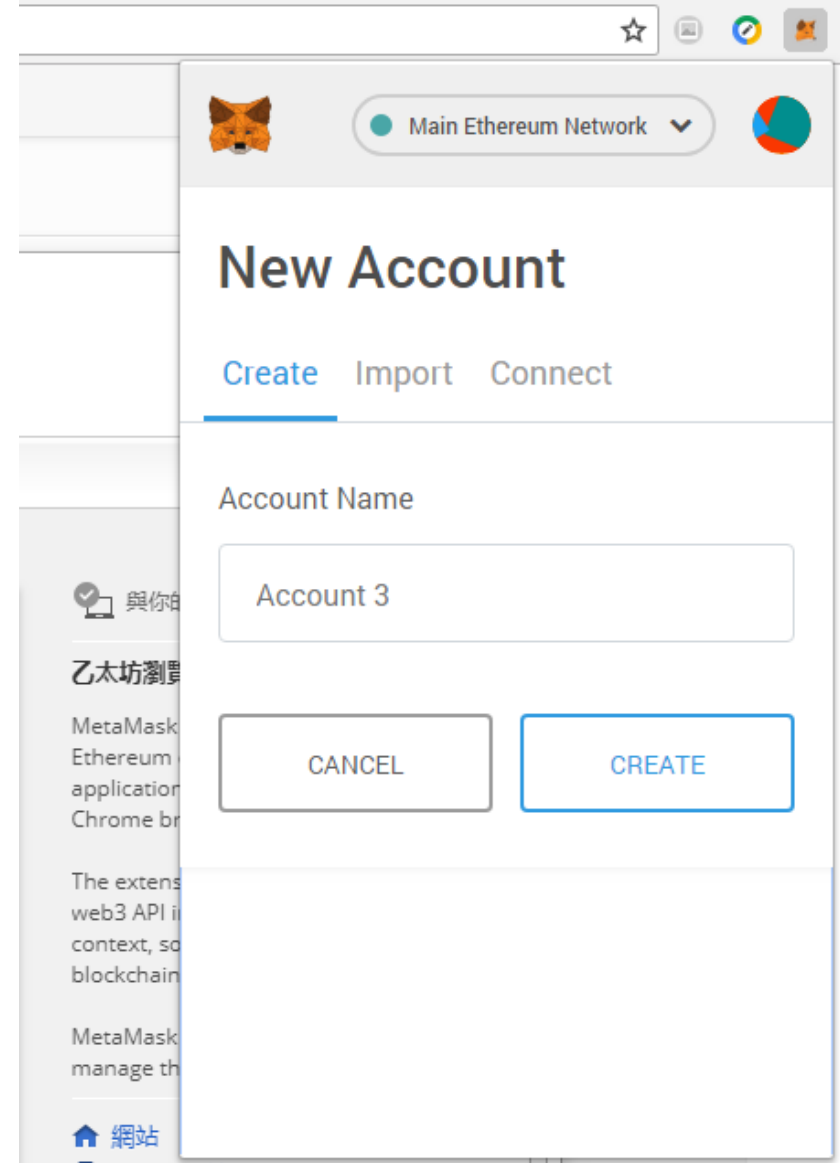
Create an address (MetaMask) 3

- Click the Menu button → Details to get the address
  0xec1a6b5d1cb540ef51104c798d31c943d0d84978 in this case

- You can also click on the account name to copy address
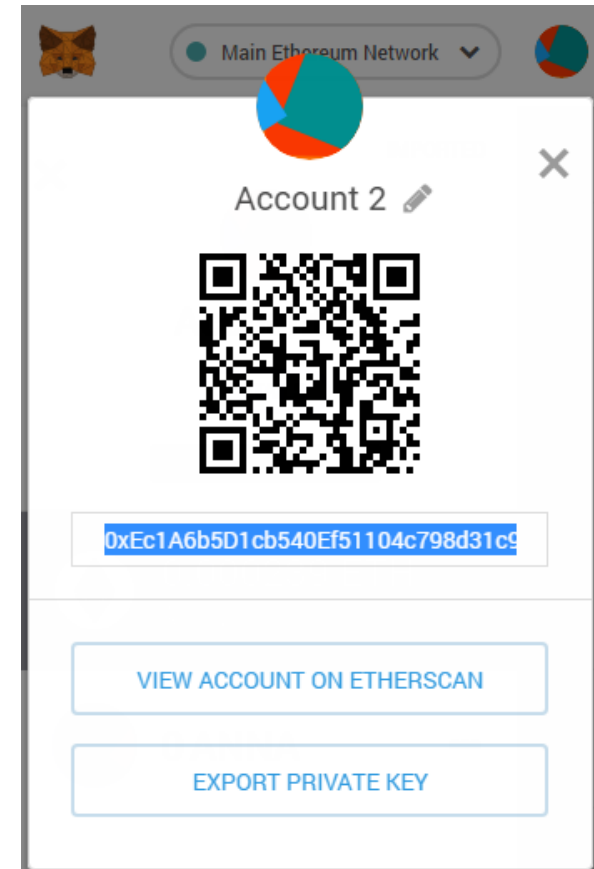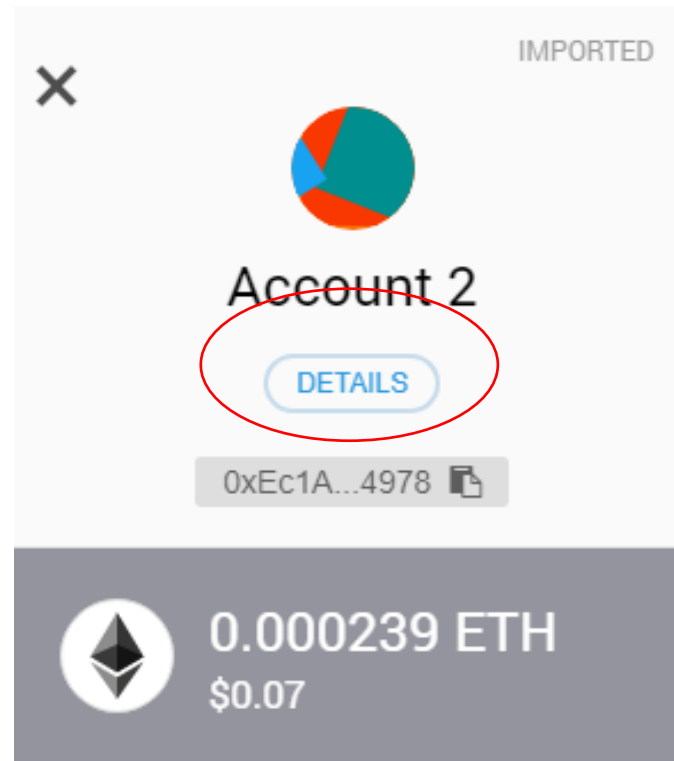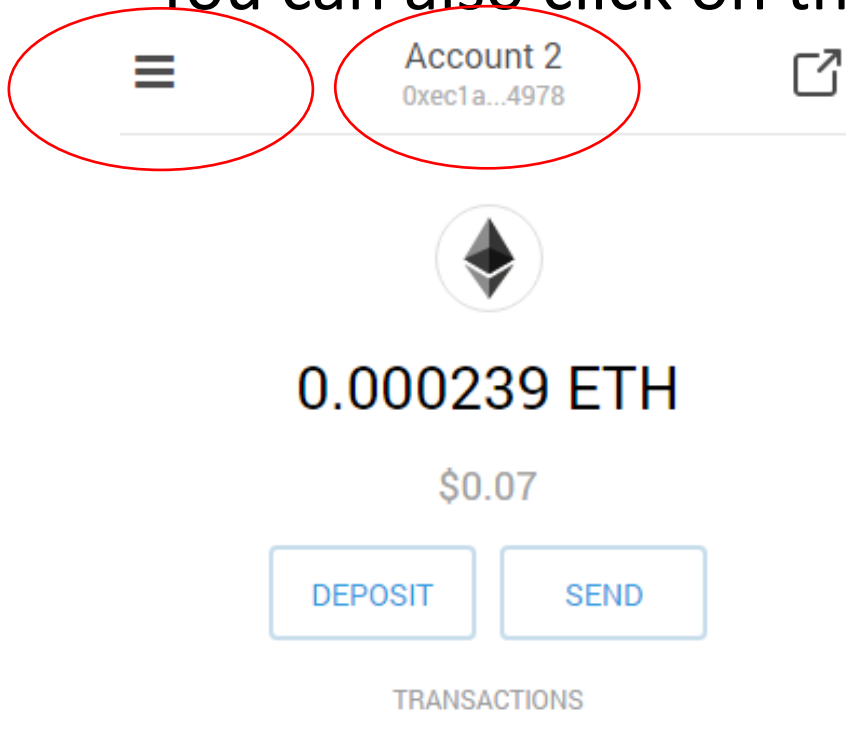
Transfer the money to ICO website (MetaMask) 1

- Important : Use the account with coins, not necessary the address just created

- Suppose payment address is 0x80d8E8477708166E89A4DbF3A5Bec9ADce3703F6

- Click Send, input the info, leave other info default

Transfer the money to ICO website (MetaMask) 2

- Click confirm
- A transaction ID (TxHash) will be created
- You may visit etherscan to view the status
- https://etherscan.io/address/0xec1a6b5d1cb540ef511 04c798d31c943d0d84978

< Edit   ● Main Ethereum Network

Account 2 → Account 1

CONFIRM

$0.03 USD

◆ 0.0001

	EDIT
GAS FEE	**$0.02**
	◆ 0.000063

AMOUNT + GAS FEE

TOTAL	**$0.05**
	◆ 0.000163

CANCEL   CONFIRM

TxHash	Block	Age	From		To	
0x17583dec4d78c2...	6194285	28 secs ago	0xec1a6b5d1cb540...	OUT	0x72ddac8b84116a...	0.001 Ether
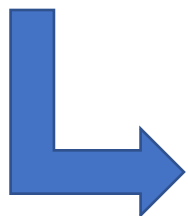
|	
TxHash:	0x17583dec4d78c2b35a392f3b12fde26b4070af6459bdec02686e6cb0bcbc3dca
TxReceipt Status:	Success
Block Height:	6194285 (8676 block confirmations)
TimeStamp:	1 day 11 hrs ago (Aug-22-2018 04:26:56 PM +UTC)

Register payment information and address on ICO website

- Provide the following information to the ICO website to register
- Transaction ID for paying the coins (TxHash)
- Your address to receive token
- Contact email
- User ID (Referral code for referring new purchasers) (if any)
- ICO website will check the payment status on etherscan.io and calculate how many token should be sent to you
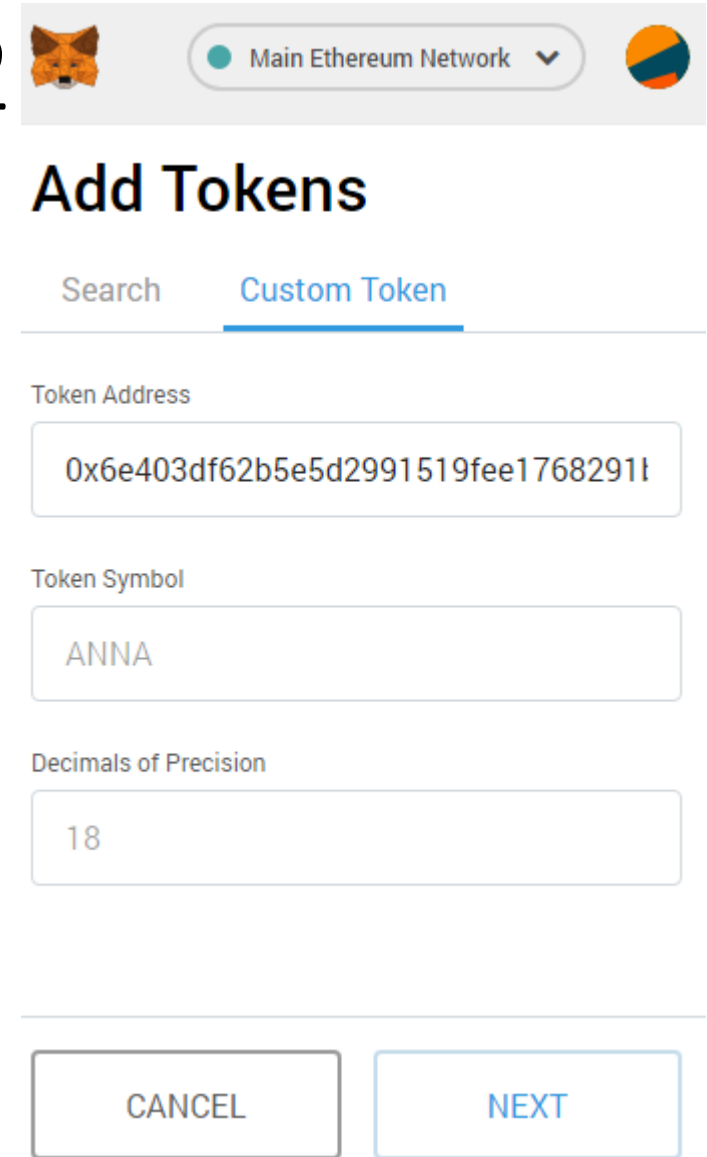
Receiving the Token (MetaMask) 1

- Click Menu → Add Token → Custom Token
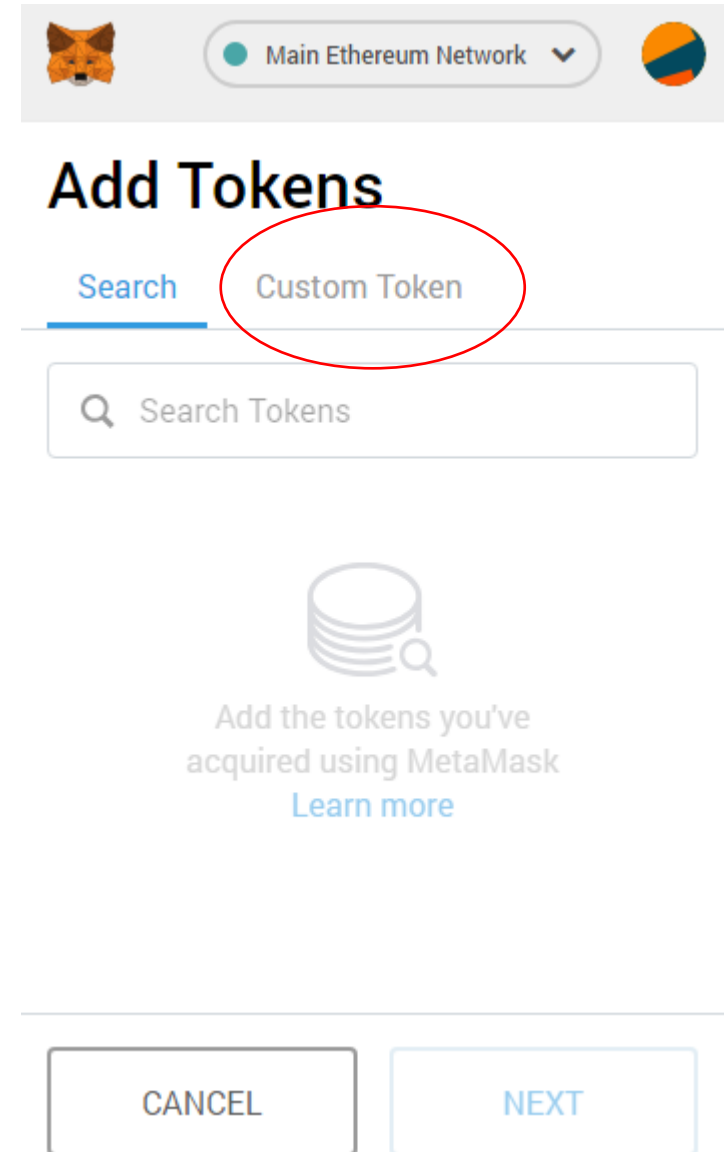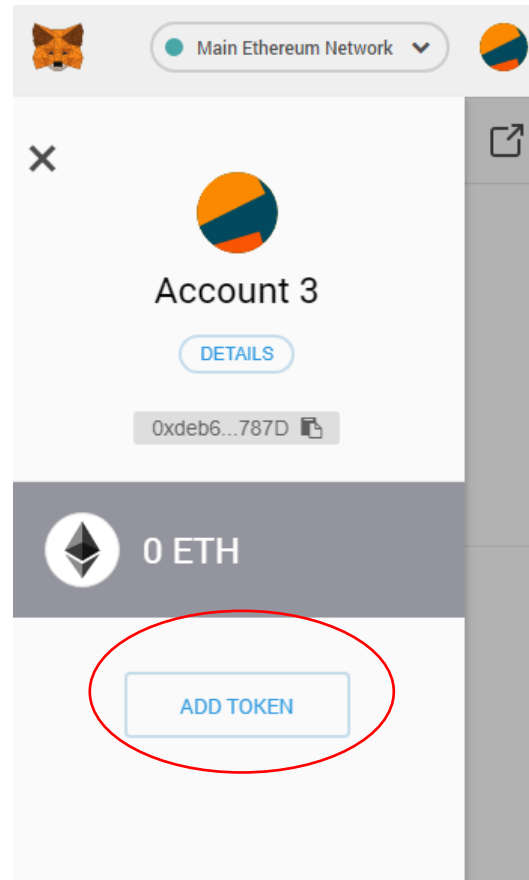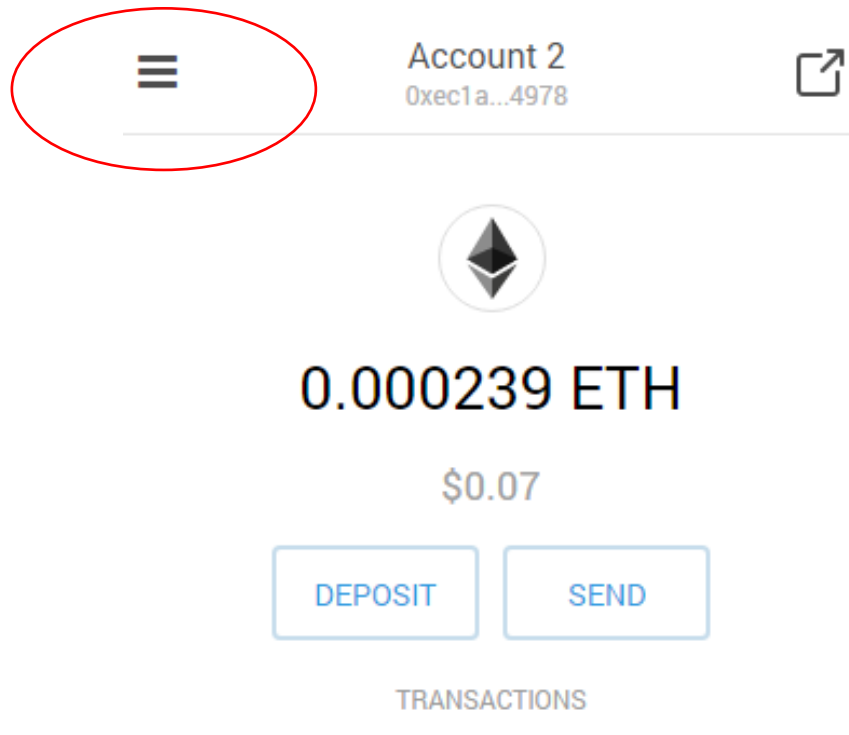
Receiving the Token (MetaMask) 2

- Copy the token address to the address fields, other information can be filled automatically

- In this case,
  0x6e403df62b5e5d2991519fee1768291b1bfeeb8b

- In case it does not filled automatically, you may found the info from etherscan.io

- https://etherscan.io/token/0x6e403df62b5e5d2991519fee1768291b1bfeeb8b

Receiving the Token (MetaMask) 3

- Go back the Menu page, if the token is transferred, it will be shown.

- Important: If you send the token out, you need some ETH (~0.001) to pay the fee