



How to get Started with Cryptocurrencies



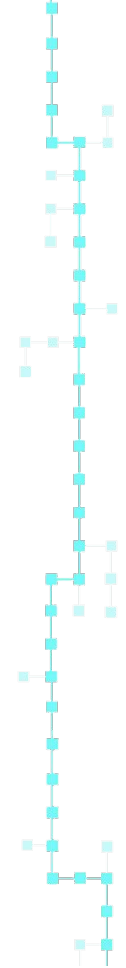
Ethos is creating services to make it easier to interact with cryptocurrencies! Check back with our development at www.ethos.io!

What You Will Learn

- What is needed to hold and send Bitcoin?
- What is needed to hold and send Ethereum?
- How to create and use an Ethereum and Bitcoin Wallet?
- How to turn Bitcoin into Ethereum?



If you are familiar with how to do this already, you can skip this lecture.



Create a Bitcoin Wallet

- Do this if you want to have full control over your funds
- Simple Wallet: wallet.btc.com
 - Online web wallet that you can sign into
- If you want a wallet that runs on your computer, consider using electrum (electrum.org)
 - Syncs on your computer
- In both cases, keep your private key safe (PDF from btc.com or wallet file in electrum)
 - These will be used to recover your wallet



Never share your private key with anyone if you want to manage your own keys!

Ethos

Transactions

My Wallet

Send

Receive

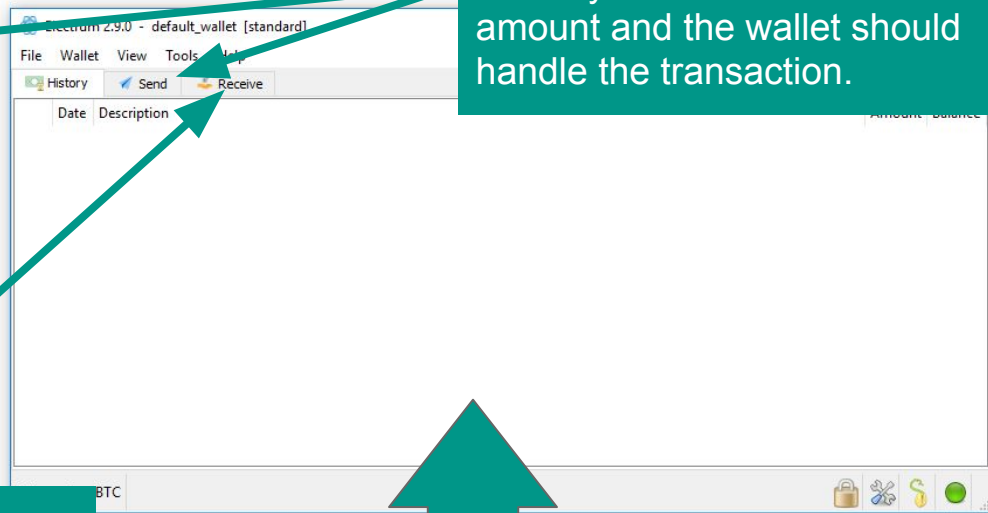
Buy Bitcoin

Settings

Web Wallet

Clicking “receive” will usually give you the public wallet address which is where funds should be sent for you to take ownership

Then to send funds, click “send”, enter the public wallet address of where you want to send and the amount and the wallet should handle the transaction.



Electrum Wallet

Buying Bitcoin with Fiat

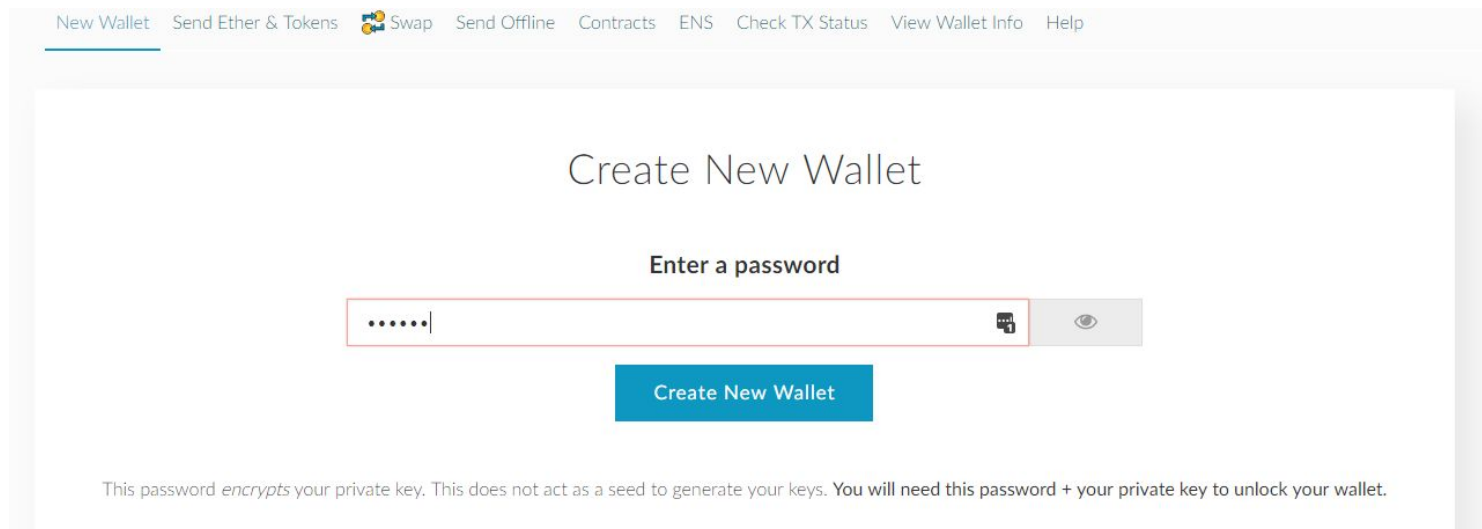
- Check out our blog post (<https://goo.gl/duLtYu>)
 - Details many methods of buying Bitcoin
 - Lots of ways to buy
- Using the wallet you created in the last step, you can send the BTC to your personal wallet
- You can also opt to keep your funds with the third-party if you believe they are trustworthy



Once you have Bitcoin, you can exchange it into other currencies!

Going from Bitcoin to Ethereum

- Create an Ethereum wallet on myetherwallet.com
 - Double check the address and make sure you are at myetherwallet.com
 - Enter a password and don't forget it!



The screenshot shows the 'Create New Wallet' page on myetherwallet.com. The navigation bar at the top includes links for 'New Wallet', 'Send Ether & Tokens', 'Swap', 'Send Offline', 'Contracts', 'ENS', 'Check TX Status', 'View Wallet Info', and 'Help'. The main heading is 'Create New Wallet'. Below it, the instruction 'Enter a password' is displayed. A password input field contains six dots, followed by a small icon of a document with a lock. To the right of the input field is a toggle icon (an eye). Below the input field is a blue button labeled 'Create New Wallet'. At the bottom of the form, a disclaimer states: 'This password *encrypts* your private key. This does not act as a seed to generate your keys. You will need this password + your private key to unlock your wallet.'

Going from Bitcoin to Ethereum

- Download your keystore
 - This is your private key and can be used to restore your wallet
 - Don't lose this and keep it very secure!
 - You will also need your password to open it up

Save your **Keystore** File.

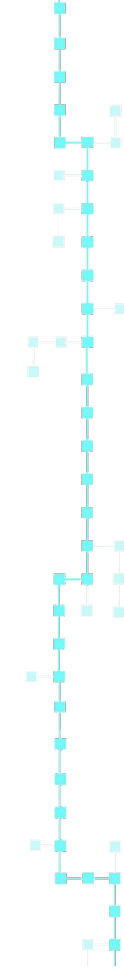
Download Keystore File (UTC / JSON)

Do not lose it! It cannot be recovered if you lose it.

Do not share it! Your funds will be stolen if you use this file on a malicious/phishing site.

Make a backup! Secure it like the millions of dollars it may one day be worth.

I understand. Continue.



Going from Bitcoin to Ethereum

- Open up your new wallet on myetherwallet.com
 - Go to the send ether and tokens tab
 - Upload and unlock your wallet

Send Ether & Tokens

How would you like to access your wallet?

- ☒ Keystore File (UTC / JSON)
- ☐ Private Key
- ☐ Mnemonic Phrase
 - Parity Phrase: [No longer supported](#)
- ☐ Ledger Nano S
- ☐ TREZOR

Select Your Wallet File

SELECT WALLET FILE...

Your wallet is encrypted. Please enter the password.

.....

Unlock your Wallet

Unlock

Account Address

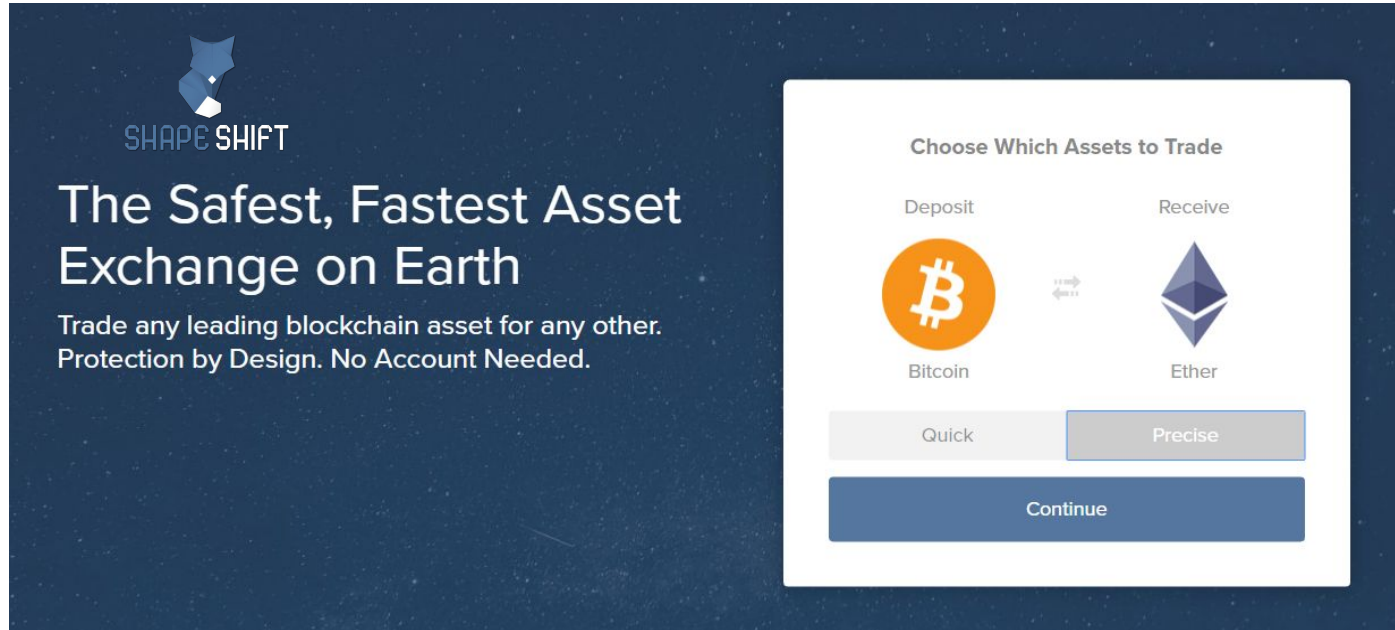


0x636F97136e3808E48654055C1Dac46DFCc8CB104

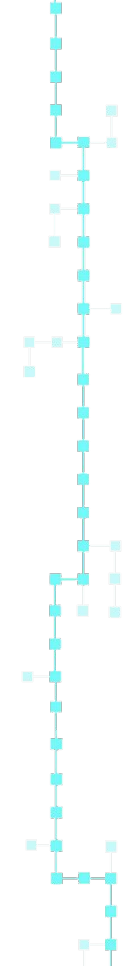
You should find your public address here

Going from Bitcoin to Ethereum

- Go to Shapeshift and select BTC to ETH (shapeshift.io)
 - Precise takes longer but more accurate



The image shows a screenshot of the Shapeshift website interface. On the left, the Shapeshift logo is displayed above the text "The Safest, Fastest Asset Exchange on Earth". Below this, it states "Trade any leading blockchain asset for any other. Protection by Design. No Account Needed." On the right, a white box contains the trading interface. At the top, it says "Choose Which Assets to Trade". Below this, there are two columns: "Deposit" and "Receive". Under "Deposit" is the Bitcoin logo and the word "Bitcoin". Under "Receive" is the Ethereum logo and the word "Ether". Between the two columns is a double-headed arrow icon. Below the asset selection, there are two buttons: "Quick" and "Precise". The "Precise" button is highlighted with a blue border. At the bottom of the white box is a large blue button labeled "Continue".



Going from Bitcoin to Ethereum

- Select amount of BTC you want to convert to ETH
 - Use BTC wallet address for refund
 - Use ETH wallet that you just created for destination

← Your Rate: 1 BTC = 12.98744083 ETH

Deposit This	To Get This	Miner Fee
1.00000000 BTC	12.98244083 ETH	0.005 ETH

Bitcoin → Ethereum

1

12.98244083

0x636F97136e3808E48654055C1Dac46DFC8c8CB104

3J3oZPuX6KasnW782fM1MmTfQnFMP9Yy4h

☒ I agree to Terms

Start Transaction



Order ID: a21d9b83-7f01-4212-a681-6fcc269494a3 [Bookmark](#)

Send This Amount Time Remaining 09:49

1 Bitcoin

To

18dn2MdlRqgBdP5u0vNmvsMLvM52KZso

You will receive: 12.98243742 Ether

Rec. Miner Fee (fast processing): NaN BTC

Awaiting Deposit Awaiting Exchange

Order Details

Deposit 1 BTC

18dn2MdlRqgBdP5u0vNmvsMLvM52KZso

Receive 12.98243742 ETH

0x636F97136e3808E48654055C1Dac46DFC8c8CB104

Final Rate

1 BTC = 12.98743742 ETH

Type Precise Liquidity



Ethos

**Congratulations on completing
your first cryptocurrency trade!**



If that was a lot of information, don't worry! We will be talking more about how everything works in the next lectures!



Ethos

How to get Started with Cryptocurrencies



In the next lecture we will dig into more about Bitcoin, what makes it tick, what gives it value and how digital currencies operate which will help you understand how to interact with cryptocurrencies.