

Another Webinar brought to you by:



Bitcoin And Other Cryptocurrencies

*How to play the Bitcoin Game
without putting your life and
soul in the danger zone.*



Prof Gary
9 December 2017



Agenda

- Disclaimer
- Governments and Citizens
- How did it all start
- Fiat versus Crypto
- Spectacular Growth ... and Crash?
- How to acquire
- BlockChain
- Bitcoin Mining
- Price of CryptoCurrencies
- CryptoCurrency Wallets
- How to start
- Conclusion
- Questions and Answers



Disclaimer

- **This is NOT Financial or Investment Advice and no one involved is a registered Financial Advisor**
- SACE and its representatives, including the presenters, will NOT receive any financial benefit - irrespective of whether you buy, sell or trade Bitcoin (or any other CryptoCurrencies)
- This is an Information Session with the sole purpose to transfer knowledge and experience allowing you to make a better and informed decision.



Governments and Citizens



Governments worldwide are warning their citizens against Bitcoin. Why?

- They are losing control over trade / exchange of currency
- Lose taxation income
- Worried about money laundering / terrorism / fraud

Citizens worldwide are revolting against the perceived traditional control, manipulation and regulations:

Uber / AirBnB, Trump, Brexit, Zupta, Catalonia, #metoo, and NOW Bitcoin

Where did it start?



- **Satoshi Nakamoto** described a software-based online payment system in 2008
- Payments are recorded in a public ledger using its own unit of account which is called a bitcoin. This process takes place without a central repository or administrator and is referred to as decentralised virtual currency (also referred to as “cryptocurrency” or digital currency)

Fiat Money vs CryptoCurrency 1



Fiat Money ("It shall be")

E.g. Rand, USD, Pound, Euro

Currency that a government has declared to be legal tender, NOT backed by a physical commodity. Based solely on faith and credit in the economy. It has value only because the government uses its power to enforce.

CryptoCurrency

E.g. Bitcoin, Ethereum, Dash, Ripple

Decentralised ledger (blockchain), using math (cryptography), virtual / digital currency. Value based on supply and demand. Not backed by physical commodity.

Fiat Money vs CryptoCurrency 2



FIAT (eg US Dollar)	CRYPTO (eg Bitcoin)
Centralised ledger at SARB / Bank	Decentralised electronic ledger
Highly Regulated	Unregulated
Transfer Expensive	Transfer Cheap/er
Transfer Slow	Transfer Fast
Value based on Government Coercion	Value based on Voluntary exchange
Country Borders	No Borders
Controlled Price (SARB)	Volatile Price (Supply and demand)

Spectacular Growth



Bitcoin Charts



Zoom 1d 7d 1m 3m 1y YTD ALL

From 2013-04-28 To Dec 7, 2017



and a Spectacular Crash...



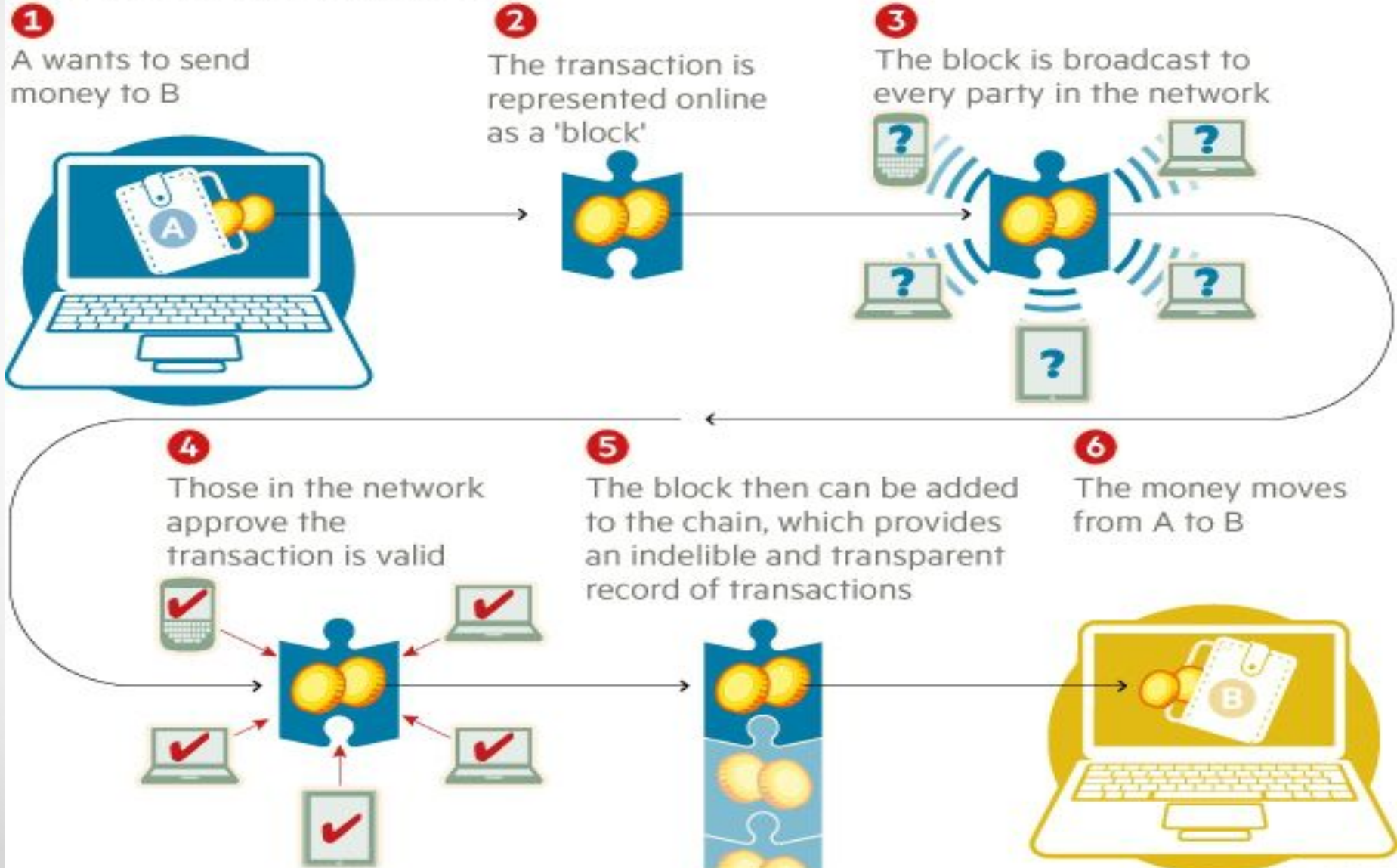
How to acquire Bitcoin



- Sell a product / service and accept Bitcoin as payment
- Buy Bitcoin (with Rand / USD)
- Exchange another crypto for Bitcoin
- Earn Bitcoin through mining

BlockChain

How a blockchain works



Bitcoin Mining



Bitcoin Mine located in Iceland

Bitcoin Mining 2



- Approx 300 000 transactions per day
- Each Bitcoin transfer represents enough energy to run a house, for nearly a week.
- Bitcoin miners electricity consumption worldwide = Power to supply 2.26 million American homes.
- Mines generate a lot of heat

Consider mining only if you are tech savvy, live in a cold place where electricity is very cheap

Short answer - NO, don't do mining

Prices of CryptoCurrencies



Cryptocurrencies: [1326](#) / Markets: [7120](#)

Market Cap: [\\$377,304,483,955](#) / 24h Vol: [\\$21,501,754,729](#) / BTC Dominance: [57.8%](#)

Cryptocurrency Market Capitalizations

Market Cap ▾ Trade Volume ▾ Trending ▾ Tools ▾							
<input type="text" value="Ripple"/>							
<input type="button" value="Q"/>							
All ▾ Coins ▾ Tokens ▾ <input type="button" value="USD ▾"/>							
<input type="button" value="Next 100 →"/> <input type="button" value="View All"/>							
#	Name	Market Cap	Price	Volume (24h)	Circulating Supply	Change (24h)	Price Graph (7d)
1	Bitcoin	\$218,063,541,518	\$13,038.90	\$9,874,500,000	16,724,075 BTC	9.64%	
2	Ethereum	\$43,076,847,448	\$447.93	\$1,638,220,000	96,169,133 ETH	-3.54%	
3	Bitcoin Cash	\$24,748,229,232	\$1,469.54	\$1,054,580,000	16,840,800 BCH	-5.90%	
4	IOTA	\$13,576,865,825	\$4.88	\$2,156,270,000	2,779,530,283 MIOTA *	58.77%	
5	Ripple	\$9,273,221,576	\$0.239376	\$247,201,000	38,739,145,009 XRP *	-3.82%	
6	Dash	\$5,725,377,083	\$740.02	\$234,181,000	7,736,777 DASH	-3.73%	

coinmarketcap.com

CryptoCurrency Wallets

The Luno logo consists of the word "Luno" in a blue, sans-serif font. The letter "L" is slightly larger and more prominent than the others.

www.luno.com (BitCoin & Ethereum)



www.exodus.io (18 currencies)



www.bittrex.com (190+ currencies)

Luno.com Wallet 1



HOME
SCREEN

ZAR wallet
ZAR 0.89
~BTC 0.00000373



Send



Buy



Withdraw



More



Bank deposit details

Sign into your bank, create a recipient and **make a deposit** using this information:



Secure your account

Two-factor authentication protects your account by requiring both your password and your phone to sign in.

Luno.com Wallet 2



BTC wallet



Balance
BTC 0.00

Available
BTC 0.00

SELL

BUY

ETH wallet



Balance
ETH 0.00

Available
ETH 0.00

SELL

BUY

ZAR wallet



Balance
ZAR 0.89

Available
ZAR 0.89

**WALLETS
SCREEN**




Luno.com Wallet 3



NOVEMBER 2017

	Bitcoin send fee Nov 16, 2017	BTC -0.000157
	Sent Bitcoin to 15wuDvG8LJTdAHyBLUTto7RZ9azqYvrHfY Nov 16, 2017	BTC -0.008703
	Bitcoin send fee Nov 9, 2017	BTC -0.001065
	Sent Bitcoin to 15wuDvG8LJTdAHyBLUTto7RZ9azqYvrHfY Nov 9, 2017	BTC -0.008996
	Bitcoin send fee Nov 7, 2017	BTC -0.001002
	Sent Bitcoin to 15wuDvG8LJTdAHyBLUTto7RZ9azqYvrHfY Nov 7, 2017	BTC -0.008950

OCTOBER 2017

	Bought BTC 0.01130517 for ZAR 1,000.00 Oct 29, 2017	BTC 0.011305
	Bought BTC 0.01130517 for ZAR 1,000.00 Oct 29, 2017	ZAR -1,000.00
	Deposit received Oct 26, 2017	ZAR 1,000.00

**TRANSACTIONS
SCREEN**

Luno.com Wallet 4

Make a deposit

Sign in to your bank, create a recipient and make a deposit using this information

Make a deposit using this reference:

BX45QVBCZ

Recipient Name	Luno
Bank Name	FNB/RMB
Account number	62412967484
Branch	250655
Type	Current/Cheque
Reference	BX45QVBCZ
Amount	ZAR 1,000.00

- Use payment reference BX45QVBCZ
- EFT only (no cash deposit)
- Pay from your own bank account

I'VE MADE THE DEPOSIT

**DEPOSIT (EFT)
SCREEN**


Exodus.io Wallet 1




Exodus.io Wallet 2




EXODUS
\$39.54 USD


 Portfolio

 Wallet

 Exchange

 Backup

 Settings

 Help

EXCHANGE

 **BITCOIN**
Available: 0.00753959 BTC

0.007

4.65

BTC

USD

RECEIVE

 **ETHEREUM**
Available: 0.99696144 ETH

0.38022516477

4.52

ETH

USD

YOU ARE EXCHANGING
0.007 BTC
\$4.65





YOU WILL RECEIVE
0.38022516477 ETH
\$4.52





EXCHANGE


The spread for this transaction is 0.721%


Exodus.io Wallet 3






EXODUS
\$29,767 USD


 Portfolio

 **Wallet**

 Exchange

 Backup

 Settings

 Help

Bitcoin


Dash

Dogecoin

Ethereum

Litecoin

Monero



19.97961538 BTC

\$8,311.52 USD

SEND







RECEIVE

ALL

SENT

RECEIVED

EXCHANGED

	Sent .01305122 BTC (\$5.86)	Unconfirmed	1 Minute Ago	
	Exchanged .01432071 BTC (\$6.43) for Dogecoin		2 Hours Ago	
	DATE Wednesday, Dec. 10, 2015 at 10:32 AM CST	EXCHANGE DETAILS 367,382,392.382 DOGE for 0.76009615 BTC		
	TRANSACTION ID 8c9ac086da007e3e9253c924bcddb56c76a16f0e12b...	SPREAD 2.3% (\$1.32) - See More In Log...		
	Received 1.12245536 BTC (\$502.86)		Yesterday	
	Sent 0.63218750 BTC (\$283.22)		3 Days Ago	
	Sent 0.22271715 BTC (\$100.00)		6 Days Ago	

How to start?



1. Open a Luno wallet (Luno.com or App)
2. Transfer Money (EFT to Luno Account)
3. Buy Bitcoin (or Ethereum)
4. Exchange between Bitcoin and Ethereum
5. Withdraw initial capital and play with gains

Conclusion

Is BITCOIN just a dangerous,
intoxicating and addictive
gambling game?



**YOU
DECIDE!**

Warning

Be wary of FOMO

"Greed halves your IQ"

NEVER trust a sales man (or woman) ...
or your dentist (unless it is about your teeth)

NEVER gamble what you can't afford
to lose



Still want to ~~gamble~~ ~~play~~ invest?



1. Start with an amount that you can afford to lose - withdraw initial capital asap
2. Invest no more than 10% of your portfolio
3. Do NOT put your house (or family, job, business) at risk
4. Try not to get too greedy

Questions and Answers



Type your questions in the CHAT box on
your left of your screen

Thank You

Thanks for attending this webinar
brought to you by SACE (sa-chamber.co.za)



and

Prof Gary (profgary.co.za)



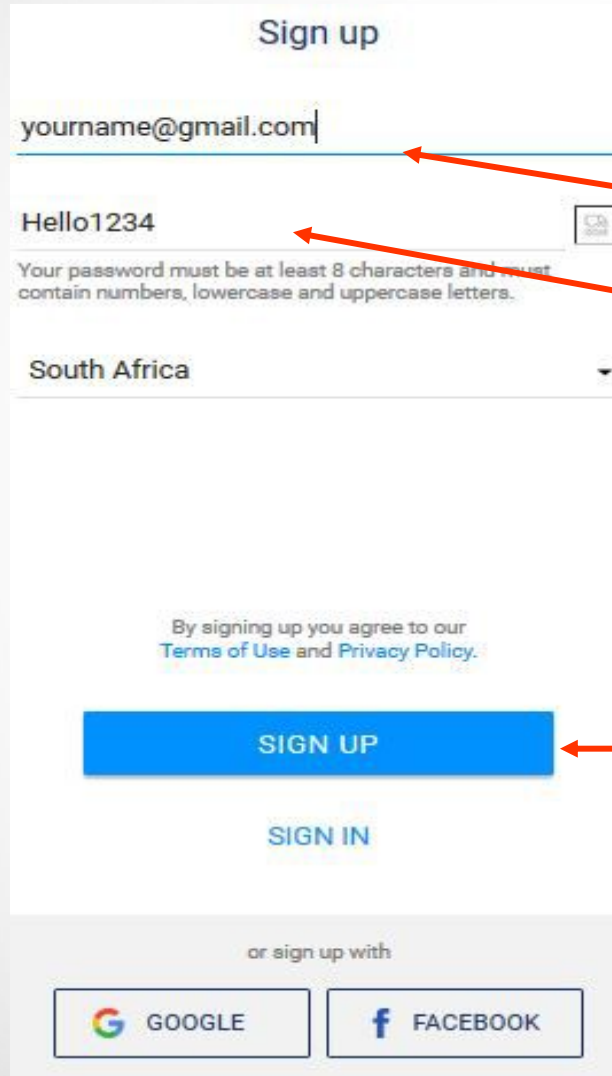
How to open a Luno Wallet 1



The screenshot shows the Luno website interface. At the top left is the Luno logo. At the top right, there is a navigation bar with links for 'BTC/ZAR 228,795', 'Learn', 'Blog', 'Sign In', and a highlighted 'Sign Up' button. The main heading reads 'The easiest way to buy Bitcoin and Ethereum'. Below this, a sub-headline states 'Luno makes it safe and easy to buy, store and learn about digital currencies like Bitcoin and Ethereum in South Africa'. An orange 'Get Started' button is positioned on the left, with an arrow pointing to it from the text below. To the right of the button are links to 'Download on the App Store' and 'GET IT ON Google Play'. On the right side of the page, there is an image of two smartphones displaying the Luno app interface, with an arrow pointing to the 'Sign Up' button from the text below.

Go to www.luno.com
Click on GET STARTED (or Sign Up)

How to open a Luno Wallet 2



The image shows a 'Sign up' form for Luno Wallet. At the top, it says 'Sign up'. Below this, there are three input fields: an email address field containing 'yourname@gmail.com', a password field containing 'Hello1234', and a country dropdown menu set to 'South Africa'. A small icon of a South African flag is next to the password field. Below the password field, there is a note: 'Your password must be at least 8 characters and must contain numbers, lowercase and uppercase letters.' Below the country dropdown, there is a blue button labeled 'SIGN UP' and a link labeled 'SIGN IN'. At the bottom, there is a section titled 'or sign up with' with two buttons: 'GOOGLE' and 'FACEBOOK'. Red arrows point from the text instructions on the right to the email, password, and SIGN UP button fields.

Sign up

yourname@gmail.com

Hello1234

Your password must be at least 8 characters and must contain numbers, lowercase and uppercase letters.


South Africa


By signing up you agree to our [Terms of Use](#) and [Privacy Policy](#).

SIGN UP

[SIGN IN](#)

or sign up with

 **GOOGLE**

 **FACEBOOK**

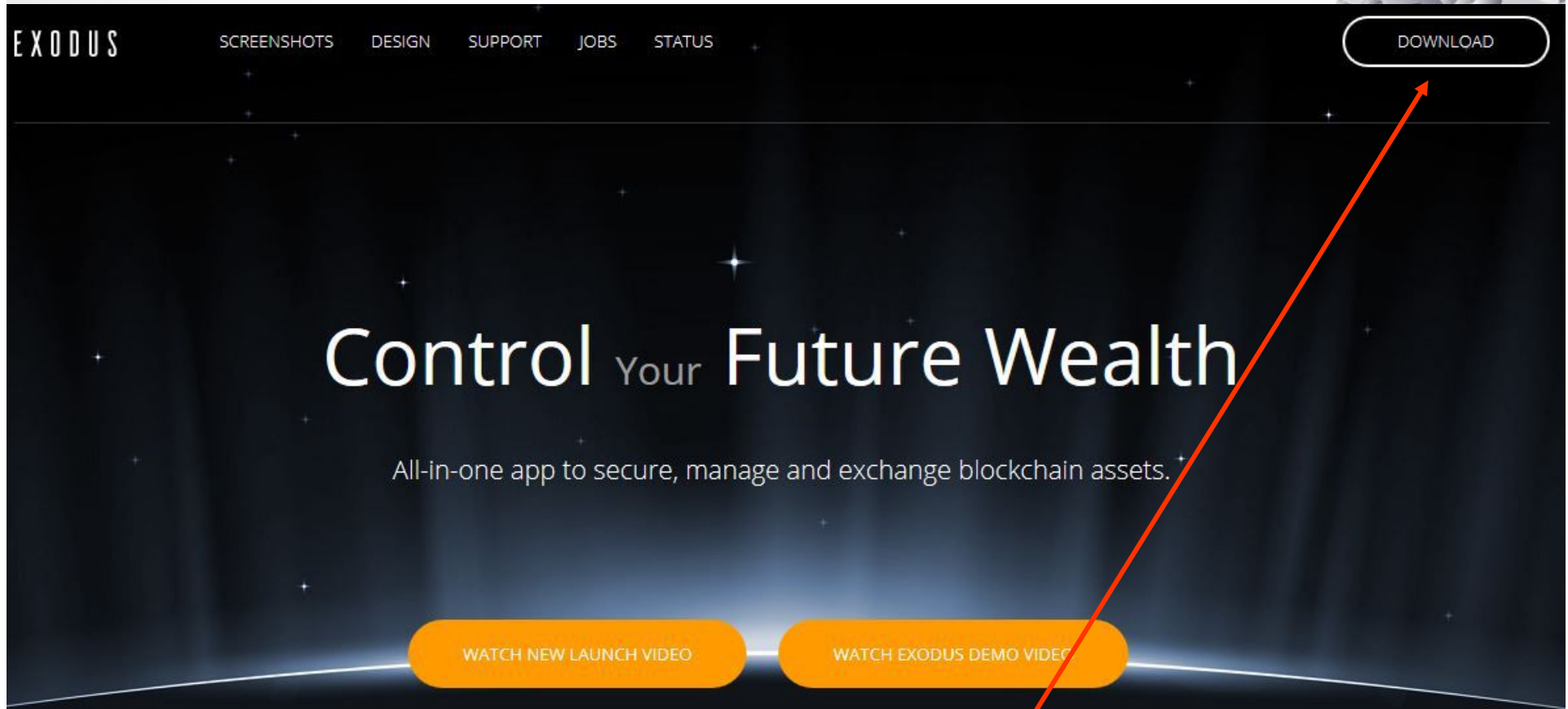
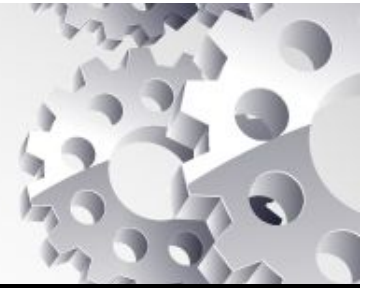
Enter:
Your email address

Choose a password (min 8 characters - must include at least 1 UPPER CASE letter AND at least 1 lower case letter AND at least 1 number. (E.g Demo1234)

Click on SIGN UP

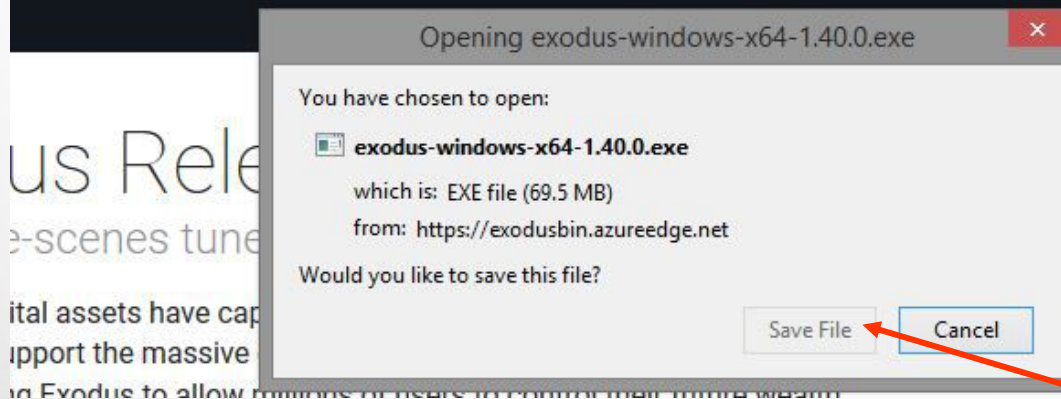
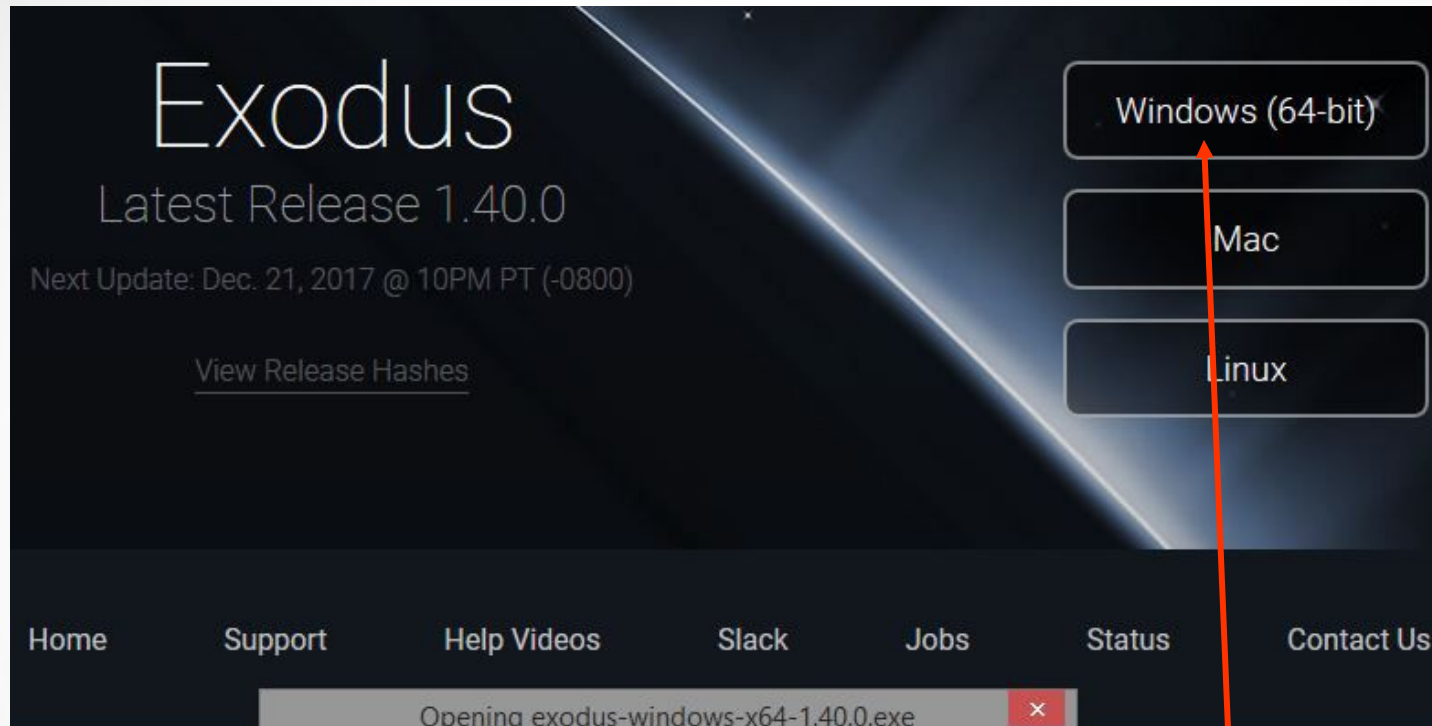
Follow instructions on screen

How to open an Exodus Wallet 1



Go to www.exodus.io
Click on DOWNLOAD

How to open an Exodus Wallet 2



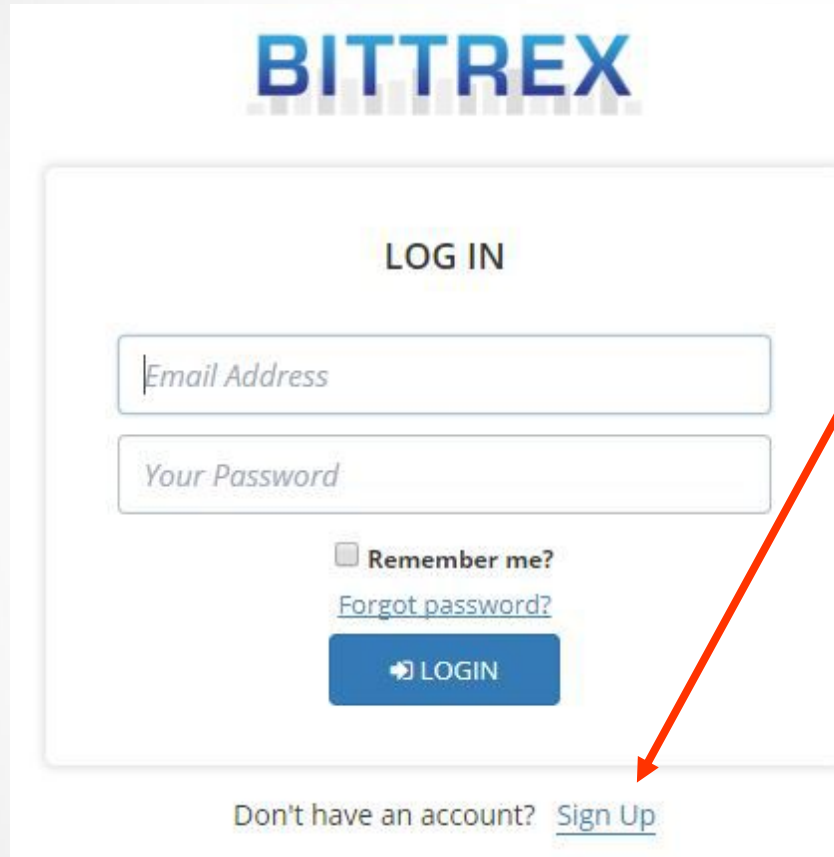
Choose your
Operating system
(probably Windows)
Download box will
open
Click on SAVE FILE

How to open a Bittrex Wallet 1



Go to www.bittrex.com
Click on LOGIN

How to open a Bittrex Wallet 2



The image shows the Bittrex website's login and sign-up interface. At the top, the Bittrex logo is displayed in blue. Below it, a white box contains the 'LOG IN' section. This section includes two input fields: 'Email Address' and 'Your Password'. Below these fields are a 'Remember me?' checkbox, a 'Forgot password?' link, and a blue 'LOGIN' button with a right-pointing arrow. At the bottom of the white box, there is a link that says 'Don't have an account? Sign Up'. An orange arrow points from the 'Sign Up' link to the text on the right side of the slide.

FIRST time user (to register) - click on SIGN UP

Provide:

Email address

Choose a Password

Reenter chosen password again

Tick box (agree to Bittrex Terms of Service)

Click on SIGNUP

Follow instructions on screen

Links



Wallets:

www.luno.com

www.exodus.io

www.bittrex.com

CryptoCurrency current prices:

www.coinmarketcap.com

Videos:

www.youtube.com