



Bitcoin

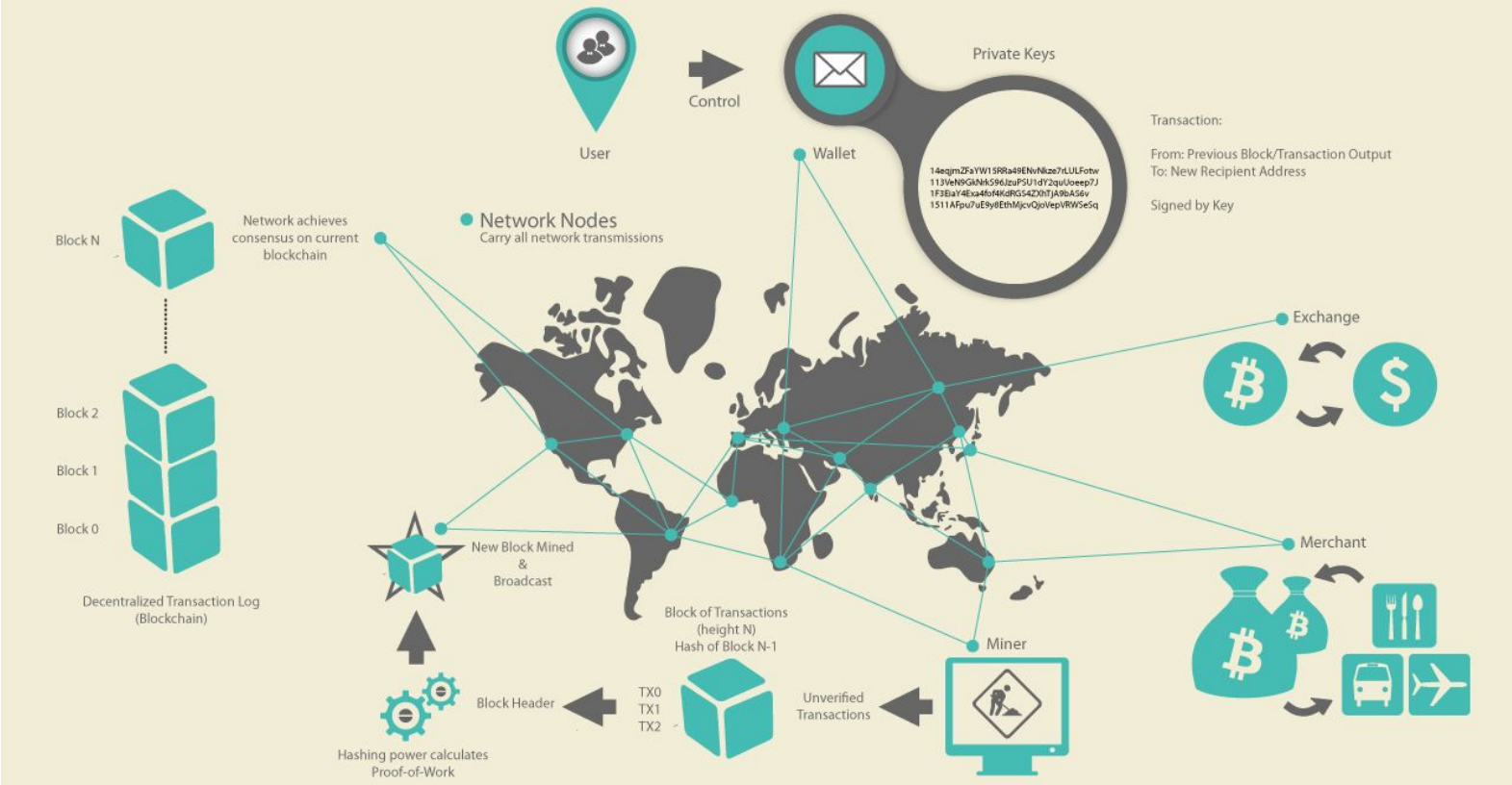
An overview on the most
successful cryptocurrency



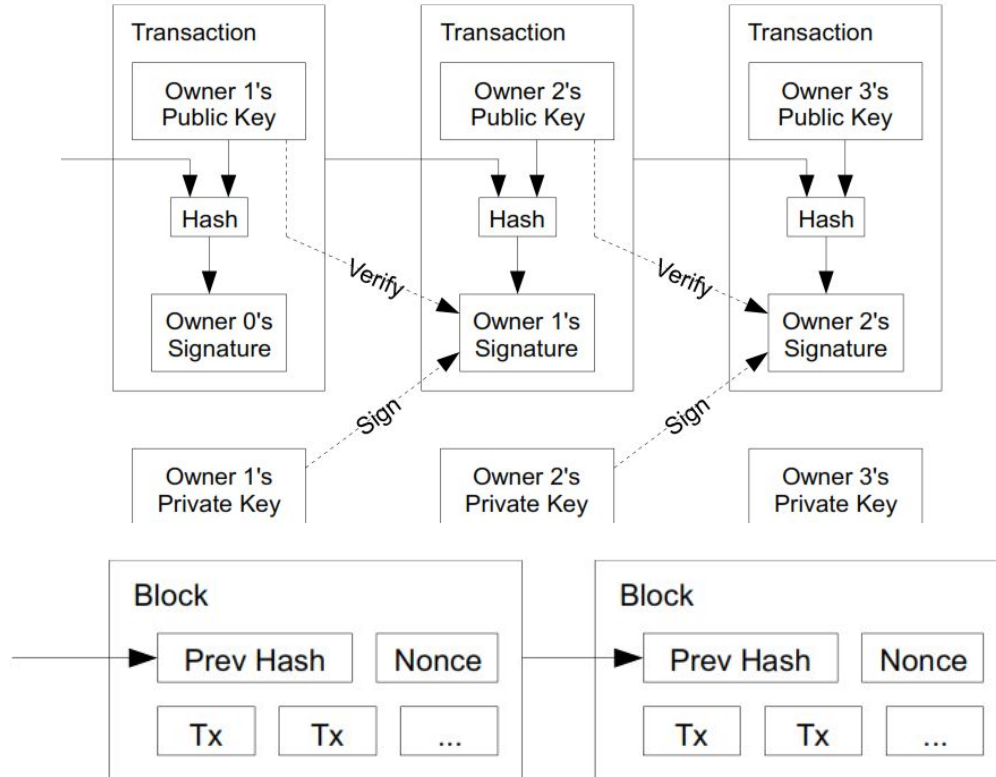
What is Bitcoin?

“A purely peer-to-peer version of electronic cash [which] would allow online payments to be sent directly from one party to another without going through a financial institution.”

How the system works: digital signature and block of chain



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Bitcoin use: licit activities



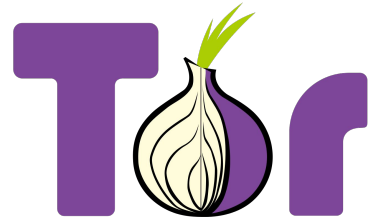
- **WordPress.com** – An online company that allows user to create free blogs
- **Microsoft** – Users can buy content with Bitcoin on Xbox and Windows store
- **Reddit** – You can buy premium features there with bitcoins
- **Virgin Galactic** – Richard Branson company that includes Virgin Mobile and Virgin Airline
- **Expedia.com** – Online travel booking agency
- **Dell** – American privately owned multinational computer technology company
- **Wikipedia** – The Free Encyclopedia with 4 570 000+ article
- **Steam** – Desktop gaming platform
- **Pembury Tavern** – A pub in London, England
- **Old Fitzroy** – A pub in Sydney, Australia
- **The Pink Cow** – A diner in Tokyo, Japan
- **The Pirate Bay** – BitTorrent directories
- **Zynga** – Mobile gaming
- **Tesla** – The car company
- **Bloomberg.com** – Online newspaper

Bitcoin use: darknets

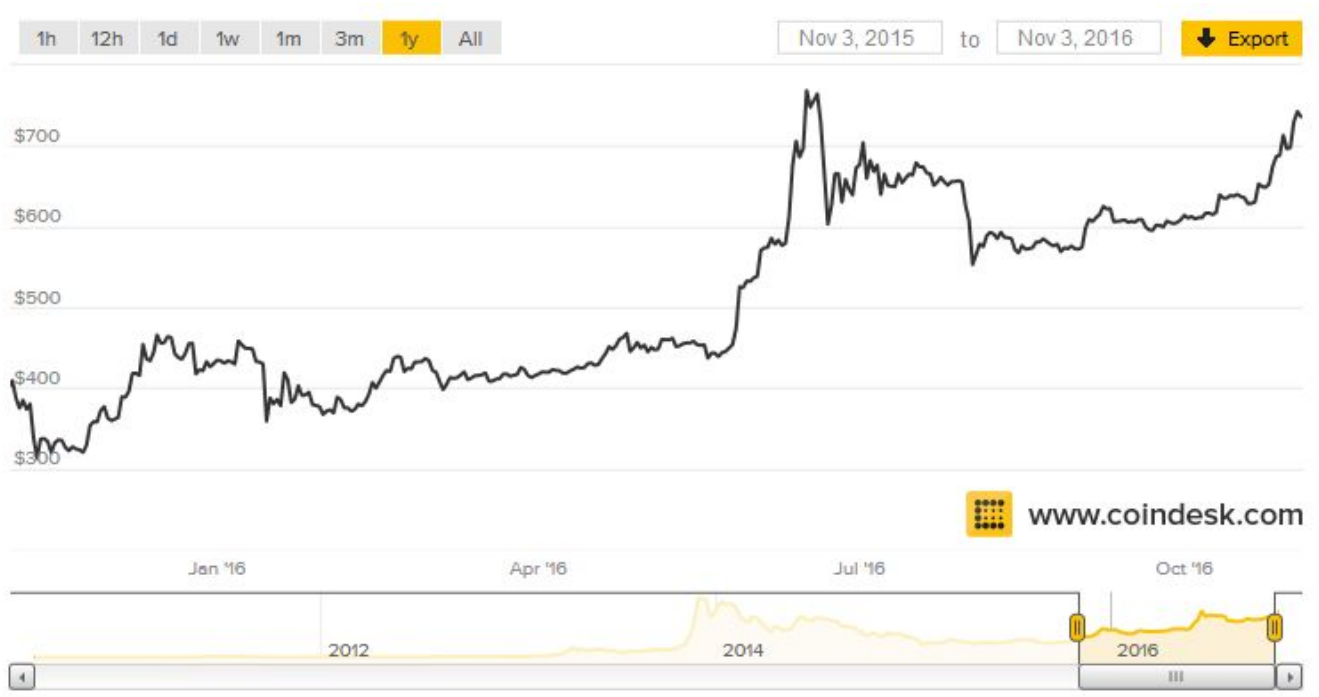
Buy and sell:

- Drugs;
- Weapons;
- Pornography;
- “Consulting”;
- Illicit services (eg. killer hiring);

through encrypted browsers, by using bitcoins wallets.



Bitcoin use: speculation



Source: <http://www.coindesk.com/price/>

Bitcoin use: money laundering

A TYPICAL MONEY LAUNDERING SCHEME



Related issues: double spending

1. Can we spend the same coin twice or more times?
2. No, due to the nature of bitcoin system!
3. Last examples of double spending:

<https://blockchain.info/double-spends>

Related issues: Bitcoin generation

- What is mining?
- Controlled supply by 2140 at 21 million units
- Small taxes to sustain new blocks' discovery



Related issues: privacy

Traditional Privacy Model



New Privacy Model



Conclusions

- Bitcoin is a crypto currency
 - which enables to have access to licit and illicit goods and services
 - by paying for them in anonymity and security
-
- Issue: should be Bitcoin regulated? If so, how?

Thank you for the attention!