Future-Proofing Bitcoin: A New Era in Digital Payments

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Featured Presenters



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Agenda

- New Trends in Cross Border
 Digital Payments
- 2. Challenges in Cross Border Digital Payments
- 3. The Solution

New Trends in Cross Border Digital Payments

- Recent developments in digital payment technology
- Changes in consumer behaviour
- Reliability
- Speed of transactions
- Efficiency of transactions

Among the following options, which one is most important to you when you use traditional banking services?

- a. Scalability
- b. Low fees
- c. Enhanced privacy
- d. Instant settlements

Results

Challenges in Cross Border Digital Payments

- Exchange-rate volatility
- Non-competitive international payment fees
- Long delays in payment approval
- Lack of trust in the digital payment ecosystem



So, what is the solution?

Develop a single-connection digital framework that will capture some of the features of embedded finance in traditional payments and digital banking:

Agenda

- 1. Web 1.0 The Early Internet
- 2. Web 2.0 The Evolved Internet
- 3. A Quick Look at "Payments"
- 4. Who Cares About Cryptocurrencies?
- 5. The Importance of Financial Independence
- 6. Web 3.0 and Beyond

Web 1.0 The Early Internet

- Huge room-sized computer hardware used to store data
- World wide web basic functionality, primarily designed to display one-way data; e.g. Craigslist, Wikipedia

"2 million britons are giving up on using the internet"

Daily Mail, Tuesday, December 5, 2000

Internet 'may be just a passing fad as millions give up on it' Net loss: Two million Britons have logged of the Internet

THE Internet may be only a By James Chapman passing fad for many users, Science Correspondent according to a report.

Researchers found that millions Woodgar, director of the society, said: were turning their back on the 'We are often presented with a picworld wide web, frustrated by its ture of burgeoning Internet use, but limitations and unwilling to pay there is evidence already of drop-off high access charges. and saturation among users. They say that e-mail, far from "Teenagers' use of the Internet has replacing other forms of communica- declined. They were energised by tion, is adding to an overload of what you can do on the Net but they information. have been through all that and then Experts from the Virtual Society realised there is more to life in the project, which published the report real world and gone back to it."

EXCLUSIVE!

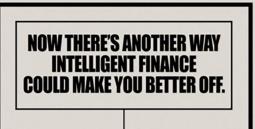
NOKIA 7440

say predictions that the Internet The project, sponsored by the Ecowould revolutionise the way society nomic and Social research Council, works have proved wildly inaccurate. gathered together research by 25 Many teenagers are using the universities across Europe and the Internet less now than previously, U.S. they conclude, and the future of It estimated that in Britain alone

online shopping is limited. Steve there could be more than two million people who regularly

used the Internet but had now given up. Analysts say some simply became bored.





Which of the following challenges would be most detrimental for cross border payments in your industry?

- a. Regulatory oversight
- b. Lack of fraud prevention
- c. Lack of knowledge
- d. Less funds for research and development

Results

Web 2.0 The Evolved Internet

2.0 Rendering and sharing (2+ways) information

- Search engines, Yahoo, Google
- Social networks; Facebook, Instagram
- Music streaming
- Photo and video calls

THE HIGH STREET

...was not ready for eCommerce

HOUSE OF FRASER



mothercare



WEB 2.0 SUCCESS STORY

amazon

Born on the internet

Amazon's whole business model was created on and because of the internet

Mobile App

Consumers spent 12.8 billion minutes per month using Amazon's app

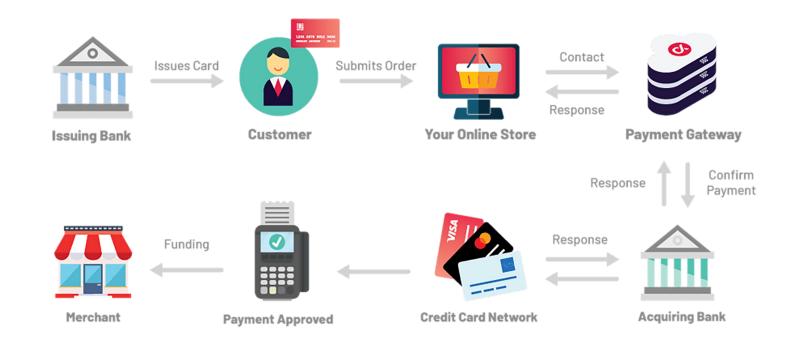
Trustworthy Overall reputation as a trustworthy online retailer

GLOBAL PAYMENTS

- Cross border payments rely on local payments infrastructure
- Extremely difficult where there is not a strong banking or financial framework
- Visa and Mastercard are not...everywhere!



TOO MANY INTERMEDIARIES

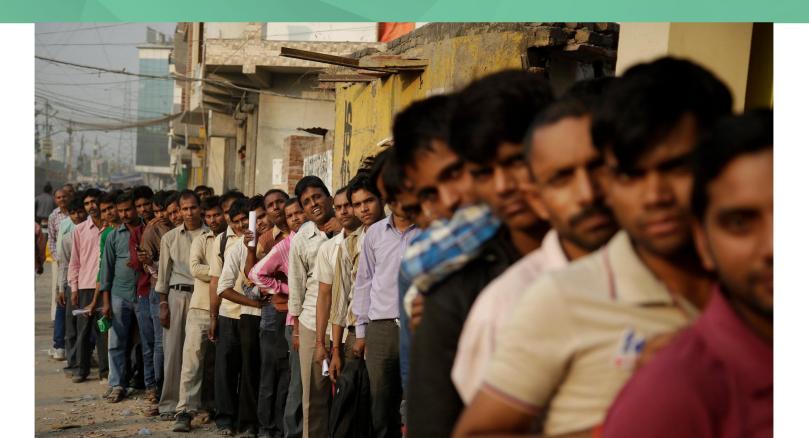


How much does it cost to transfer \$2 billion via the banking network?

- a. Between \$500,000 and \$1 million
- b. Up to \$20 million
- c. Between \$20 million and \$60 million

Results

IMPORTANCE OF FINANCIAL INDEPENDENCE





Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto satoshin@gmx.com www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record hat cannot be changed without redoing the proof-of-work. The longest chain and only serves as proof of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure, Messages are broadest on a lead effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

1. Introduction

<text><text><text>



How much does it cost to transfer \$2b using the Bitcoin network?

- a. More than \$500,000
- b. Less than \$500
- c. Between \$20m and \$60m

Results

Web3 ...and beyond

- Cryptocurrency
- Open Money Network
- P2P networks
- Decentralised applications
- Smart-contracts
- Metaverse

Promoting fairness and inclusion by default

WEB 3.0 AND BEYOND

The future of eCommerce

The future of eCommerce is in-fact 'deCommerce'

Retailers such as Adidas and Nike have already stepped into the Metaverse and soon will set up virtual stores...

...and guess which currencies these virtual stores will need to accept?

Digital ones





Countries El Salvador

Bitcoin in particular can serve as a financial framework and some governments around the world have already made changes to their fiscal policies to reflect this Banks Investment Banks

JP Morgan, Goldman Sachs and some of the world's leading banks now have a remit to invest in or hold crypto assets for themselves and their customers

Corporates Micro Strategy

Over the last two years, Micro Strategy have purchased almost \$7b in Bitcoin and now sits on their balance sheet **The Unbanked** UN / World Bank

The 1.7b people who currently remain unbanked can now immediately be included on the financial stage

One day we will all live on Mars, until then let's think about crypto, positively

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Questions and Answers



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Thank you!

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