BlockchainTM

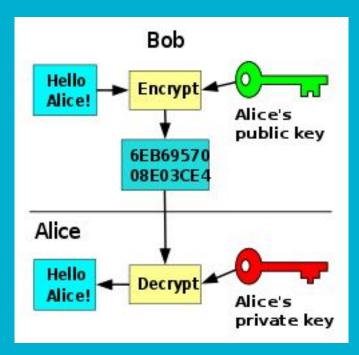
or: How I Learned to Stop Worrying and Love the Bubble

Claudia Richoux

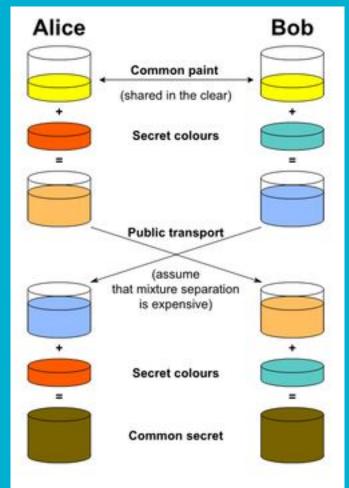
29 January 2018, Asynchronous Anonymous

Cryptographic Background/History

Public-Key Cryptography

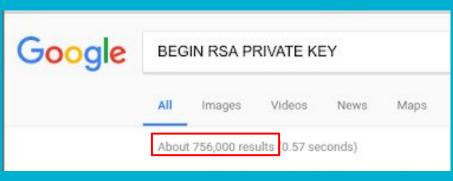






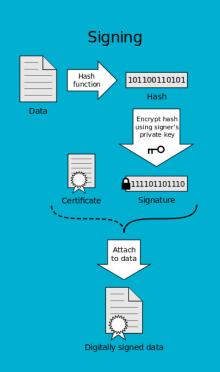
Crypto 101 Intermission

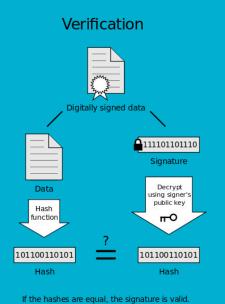
- Private Keys Are Private
- Public Keys Are Public
- Generate them on your own computer, then keep them safe!

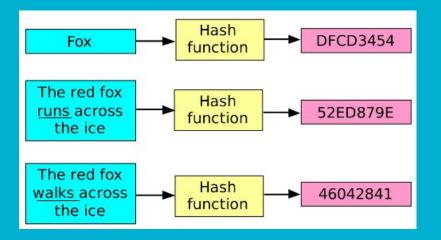


Search results for '0xec16663f3aa6334c' Type bits/keyID cr. time exp time key expir pub 2048R/3AA6334C 2016-02-12 uid Claudia Richoux (Hello!) <laudiacay@gmail.com> 3AA6334C 2016-02-12 [selfsig] 3C472B56 2016-02-17 Samuel Damashek <sdamashek@gentoo.org> 83BB8769 2016-02-18 Fox C. Wilson <fwilson@fwilson.me> Policy URL: http://fwilson.me/keysigning-feb2016.txt Fox Connor Wilson <fwilson@lessbroken.org> 73DDD719 2016-02-18 Policy URL: http://fwilson.me/keysigning-feb2016.txt sub 2048R/A51C7141 2016-02-12 sig sbind 3AA6334C 2016-02-12

Basic Cryptographic Operations

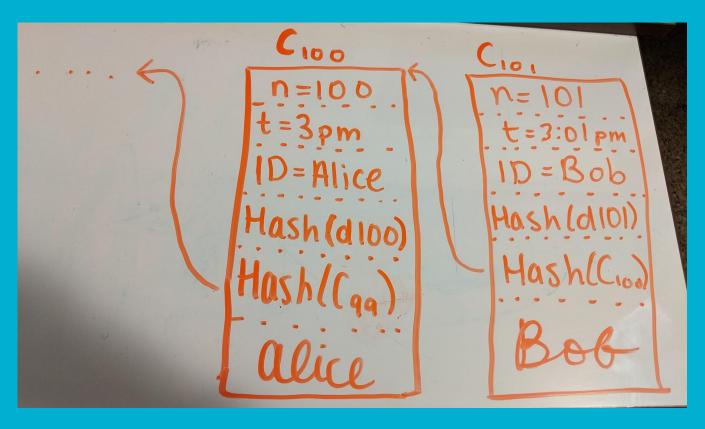




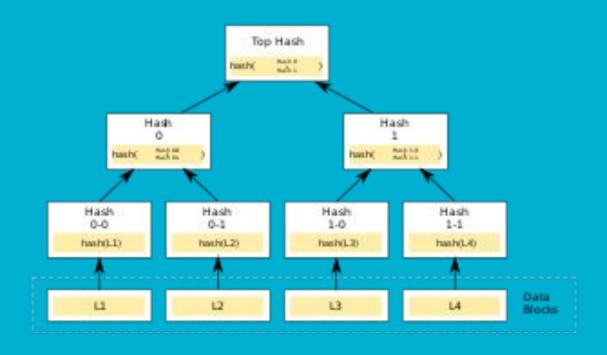


Blockchain 101

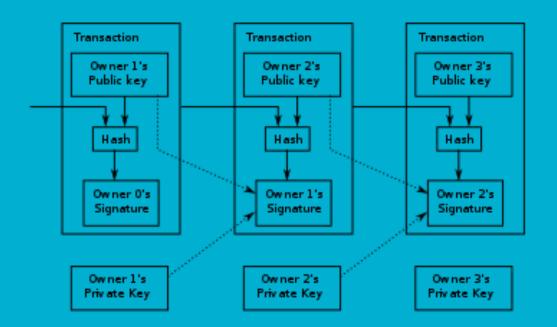
Blockchains Begin



Growing a Merkle Tree

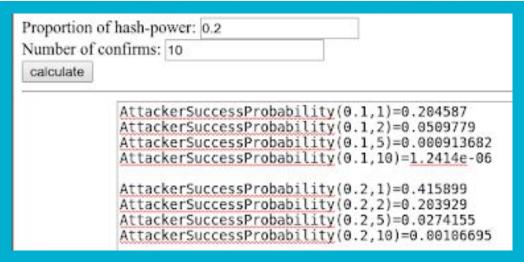


Transactions

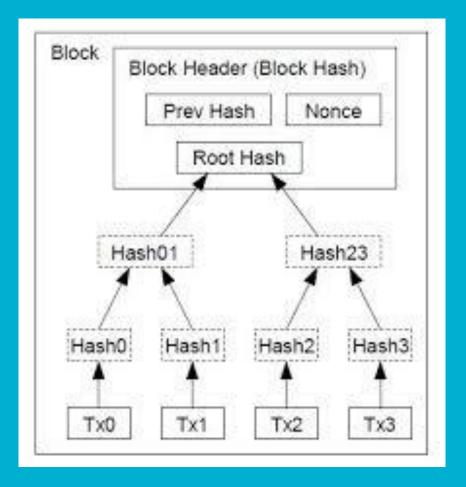


Mining





Difficulty

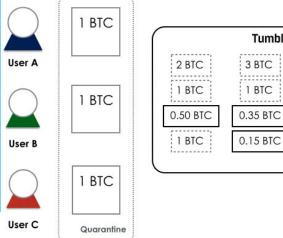


Wallets



Privacy





Tumbler

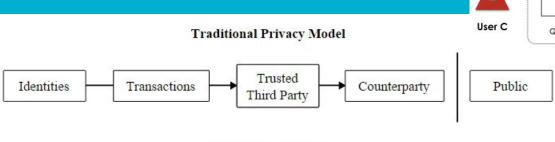
User A

0.90 BTC

techeu

0.10 BTC

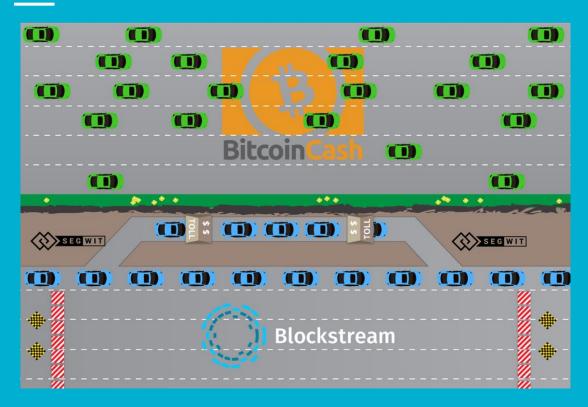
Tumbler's fee







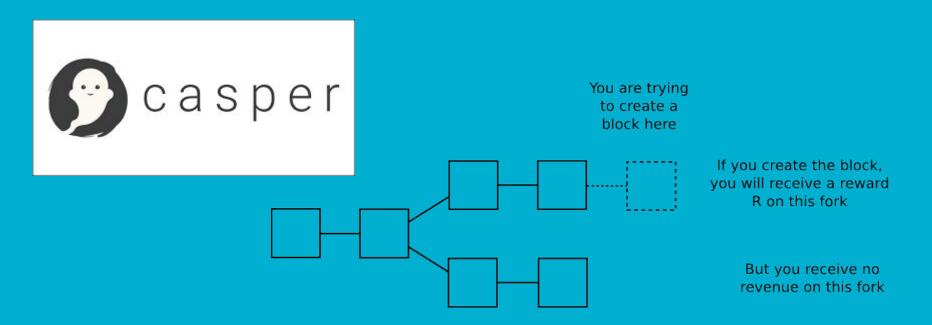
Block Size, SegWit, Lightning Network (More drama and details here!)





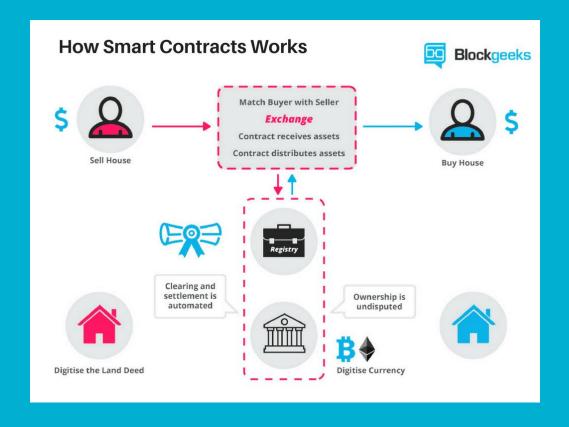
Blockchain 2.0

Proof of Stake



Ethereum and Smart Contracts

<u>Democracy</u> <u>Earth</u>



Estonia (AKA the future)

- New Yorker Story
- <u>e-Estonia</u>
- "the most advanced digital society in the world"

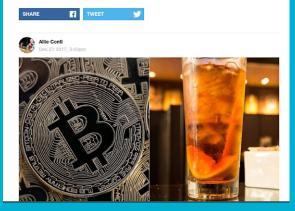


Blockchain of Today (yikes)

Please Don't Blow Bubbles In My Currency (it is Rude)

A Tea Company's Stock Doubled When It Added 'Blockchain' to Its Name

Is this what the Bitcoin bubble looks like?



Do Not Go into Debt to Buy Bitcoin, You Idiots

A professor explains what's going on with the so-called cryptocurrency and why it's probably too late to make a fortune off of it.



Miami's Wild Bitcoin Scene Doesn't Care About Your 'Bubble'

Despite warnings from experts and haters and the occasional plummet in value, the Magic City is going all-in.



Cryptocurrencies Are the New Black



Questions?

Slides are at https://elgar.laudiacay.net/blockchain-talk.pdf