Blockchain: Preparing for Disruption

What is Blockchain and how will it impact you in the coming years



Introduction



Jay Schulman Principal, RSM US

- Lead RSM's Blockchain and Digital Assets Practice.
- Engaged with clients who are building new cryptocurrencies, helping companies address how to accept cryptocurrencies, how blockchain is going to disrupt a company



Bitcoin vs blockchain

What are we even talking about?

So what exactly is a Blockchain anyways?

A Blockchain is a ledger where transactions are recorded and confirmed pseudoanonymously. It's a record of events that is shared between many parties. More importantly, once information is entered, it cannot be altered.

Bitcoin was merely one of the first applications

"Blockchain is to Bitcoin, what the internet is to email. A big

electronic system, on top of which you can build applications.

Currency is just one."

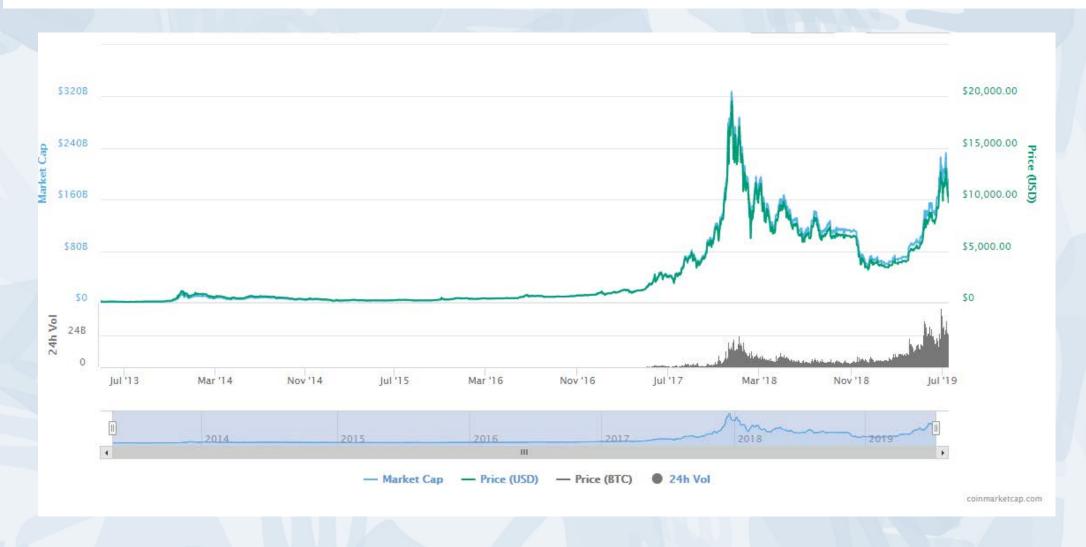
—Sally Davies

What about other cryptocurrencies?

There are 2321 currencies tracked at CoinMarketCap. Data from CryptoCompare:

#	Coin	Price	Direct Vol. 24H 📵	Total Vol. 24H 📵	Mkt. Cap. 🕦	7d Chart (USD)	Chg. 24H
1	Bitcoin BTC	\$ 9,761.60	\$ 1.03 B	\$ 6.19 B	\$ 173.96 B	agrand and	-10.56%
2	♦ Ethereum ETH	\$ 201.47	\$ 228.78 M	\$ 2.27 B	\$ 21.54 B	and a second	-14.25%
3	& EOS EOS	\$ 3.631	\$ 27.71 M	\$ 1.16 B	\$ 3.70 B		-16.26%
4	Litecoin LTC	\$ 80.44	\$ 74.97 M	\$ 1.16 B	\$ 5.04 B		-12.87%
5	× XRP	\$ 0.2962	\$ 38.46 M	\$ 583.15 M	\$ 29.62 B	_promonent	-6.50%
6	Bitcoin Cash BCH	\$ 284.57	\$ 93.41 M	\$ 564.32 M	\$ 5.09 B	- Jum	-12.12%
7	♦ Ethereum Classic ETC	\$ 5.522	\$ 5.02 M	\$ 302.30 M	\$ 618.42 M	and many that	-5.80%
8	ZCash ZEC	\$ 69.30	\$ 2.54 M	\$ 284.66 M	\$ 483.92 M	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-13.43%
9	Binance Coin BNB	\$ 26.23	-	\$ 251.94 M	\$ 2.86 B	warm hours April of	7.43%
10	B Bgogo Token BGG	\$ 0.001874	-	\$ 232.82 M	\$ 18.74 M	many many many paymy	-3.12%

Forget the price of Bitcoin



What is Bitcoin (and other Cryptocurrencies)

- Coins are bought and sold like stocks and commodities, exchanged for other coins, issued to raise money, and used to purchase goods
- But....
 - They aren't (yet) regulated
 - The IRS says they're property (like a house)
 - The SEC says if it smells like a duck (Howey Test), it's probably regulated

Blockchain

- One of the key underlying technologies behind Bitcoin (and other cryptocurrencies) is the blockchain
- Standing alone, blockchain has little value
- There is an enormous amount of hype around the word "blockchain"

04.12.18

Markets

Long Island Iced **Changing Its Nan**

By Arie Shapira and Kailey Leinz

Surprise! The Long Island Iced Tea blockchain pivot didn't work

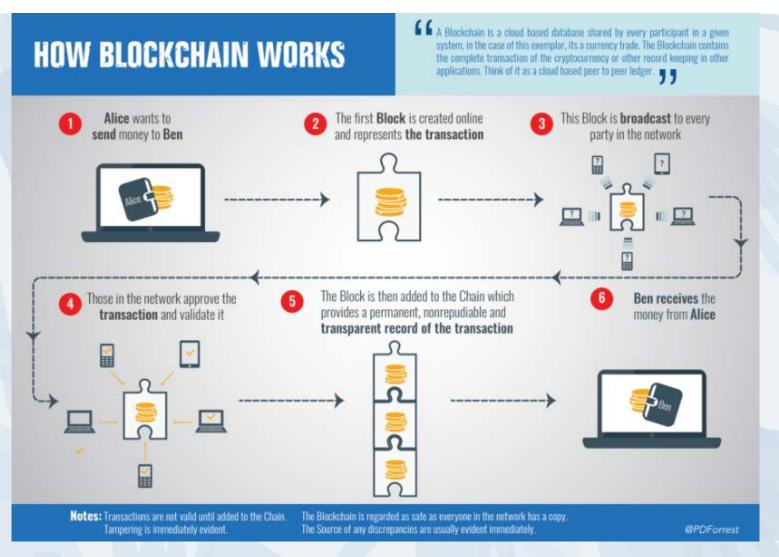
BY CALE GUTHRIE WEISSMAN 1 MINUTE READ

December 21, 2017, 8:06 AM CST Updated or Whenever you put your lips on a crisp, cold bottle of iced tea, do you ever think to yourself, "Man, I really could use decentralized ledgerbased technology to free me from my current technological paradigm?"

If you said no, Wall Street agrees.

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What is Bitcoin and Blockchain



How does this apply to you?

- Storing value
 - Using "coins" to facilitate money transfers
 - Multi-country transactions could be conducted in cryptocurrency
- Computing transactions
 - "smart contracts" if this, then that
 - You get paid when your coded objectives are met
- Storing Information
 - information, tracking, anything where the order of the data and integrity of the data matters
 - Titles, Certificates, Licenses

Use case: Real estate



Use case: Real estate

Tokenizing the Plaza

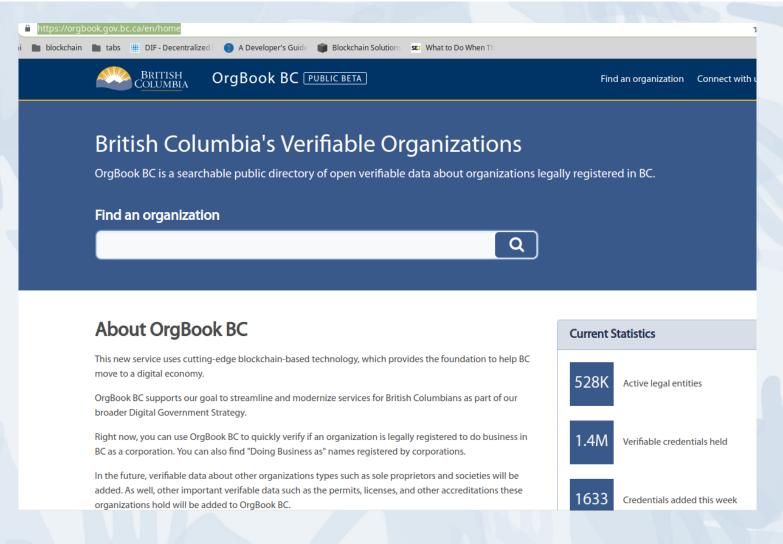
- Financial statement and audit methodology
- Tax implications
- Security
- KYC/AML



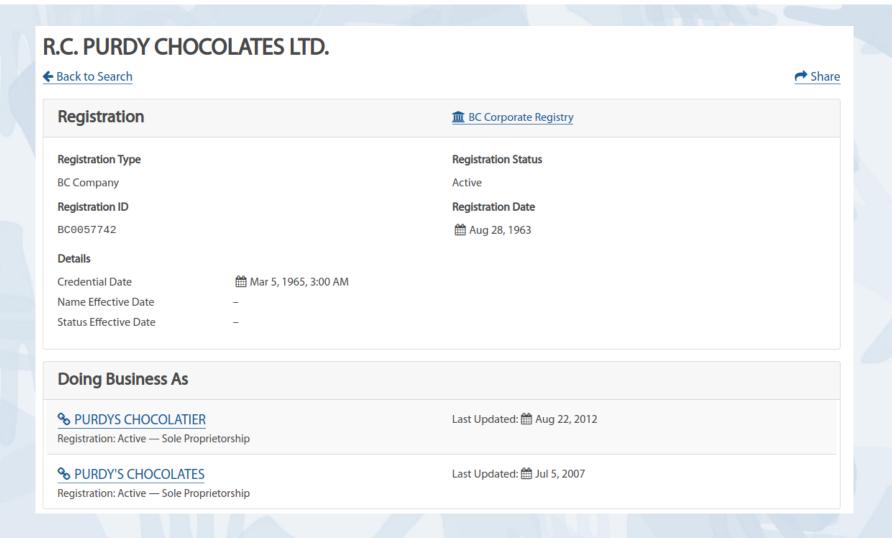
Applicability in Government

- Payments
- Land Registry
 - Cook County Pilot at Recorder of Deeds
- Licenses
 - Verifying the license status of any person or entity
 - Are you authorized to perform electrical work in our town?
- Citizen Identity
 - Dublin, OH pilot around authenticating citizens and citizen services
- Cannabis Track and Trace

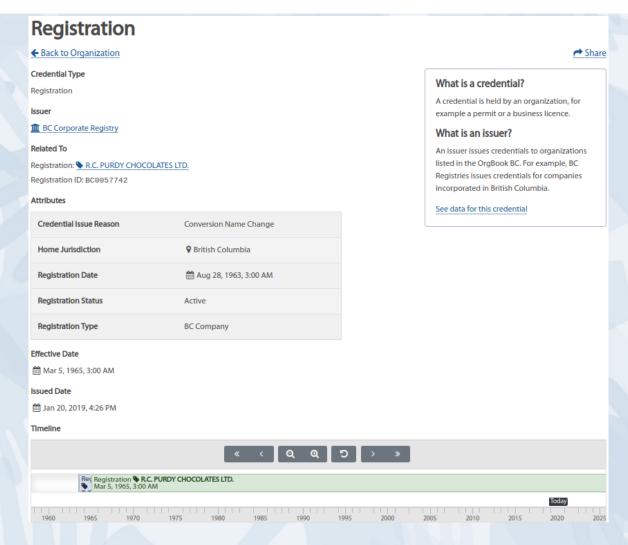
British Columbia Example



British Columbia Example

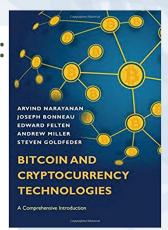


British Columbia Example



Reading Recommendations

- Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction (Princeton)
 - This is a very technical, math, and computer science book



- Any Andreas Antonopoulos book
 - The Internet of Money
 - Mastering Bitcoin

