

Mining

Overview

- What's mining? Why it's needed?
- Why would one mine?
- How should one mine?
- What should one mine?





Block

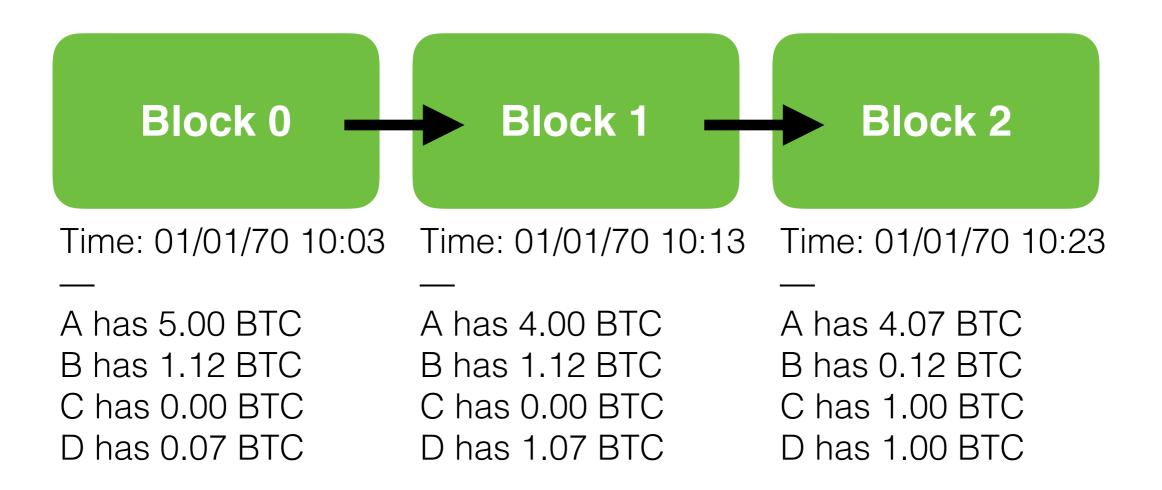
Block 12

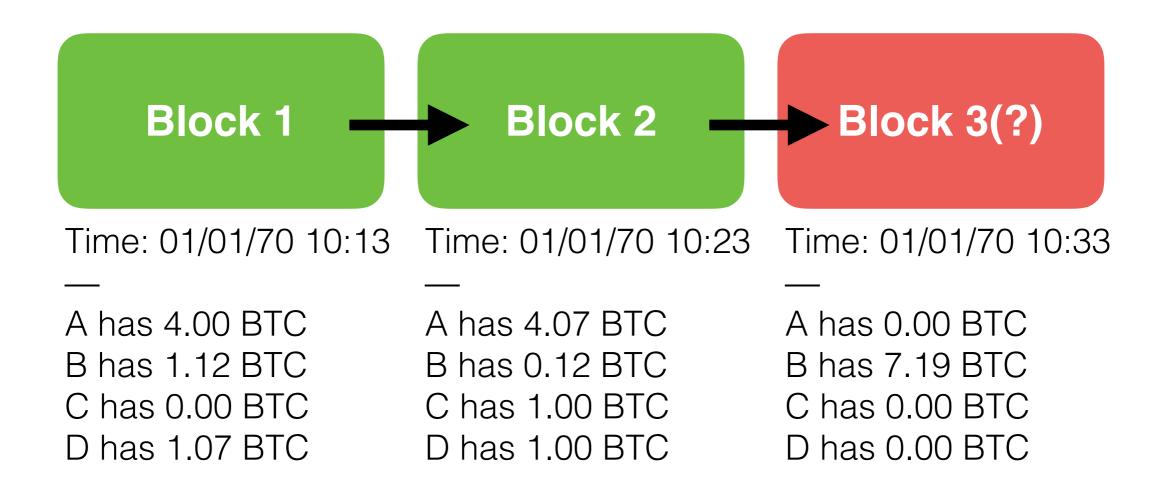
Block

Time: 14/09/17 00:42

A sent B 0.05 BTC
A sent C 1.2 BTC
B sent C 1.337 BTC
D sent E 1 BTC







Block

Time: 14/09/17 00:42

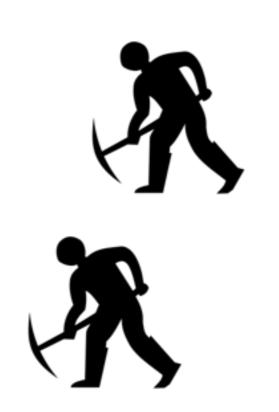
Hash: 01515efb0b5ec

Nonce: 0ffece13458192

A sent B 0.05 BTC
A sent C 1.2 BTC
B sent C 1.337 BTC
D sent E 1 BTC

Hashing

000e1345fecabe192918



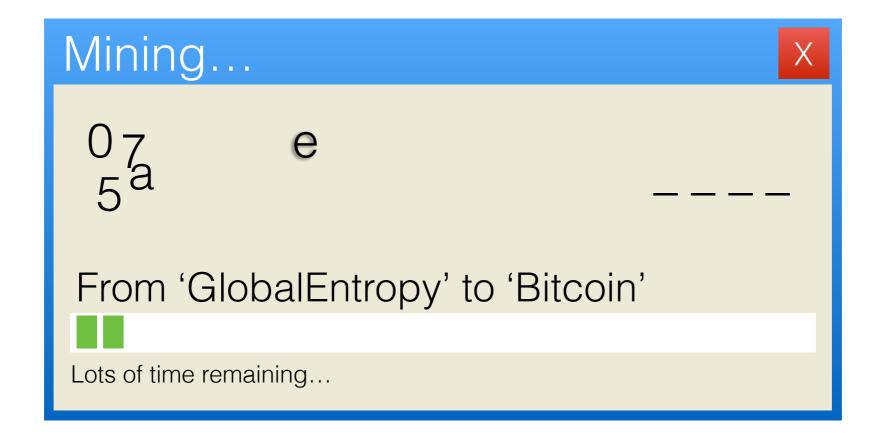
000XXXXXXXXXXXXX



00000XXXXXXXXXXXXX



Hashing



Mhy?

¥E\$

50 BTC

25 BTC

12.5 BTC

21MBTC

Miner Fees

Mem Pool

From	То	Amount	Fee
А	В	1.12	0.5
A	С	1.09	0.22
E	D	0.5	0.01
F	Z	13.37	0

Mem Pool

From	То	Amount	Fee
Α	В	1.12	0.5
Α	С	1.09	0.22
E	D	0.5	0.01
F	Z	13.37	0

Mem Pool

From	То	Amount	Fee
С	Q	1.0	1.0
D	R	0.05	0.7
E	D	0.5	0.01
F	Z	13.37	0

Let's mine!

What to mine?







What to mine?



















8,600,000,000,000,000,000

11.5T GTX 1080's

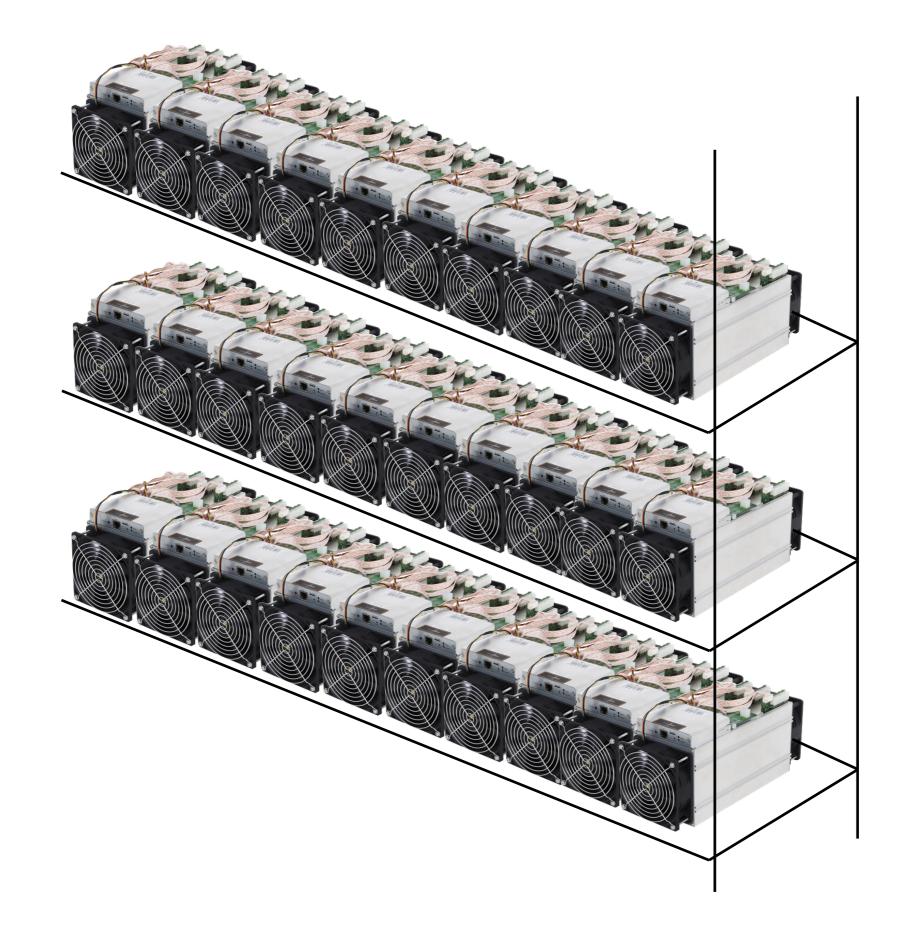


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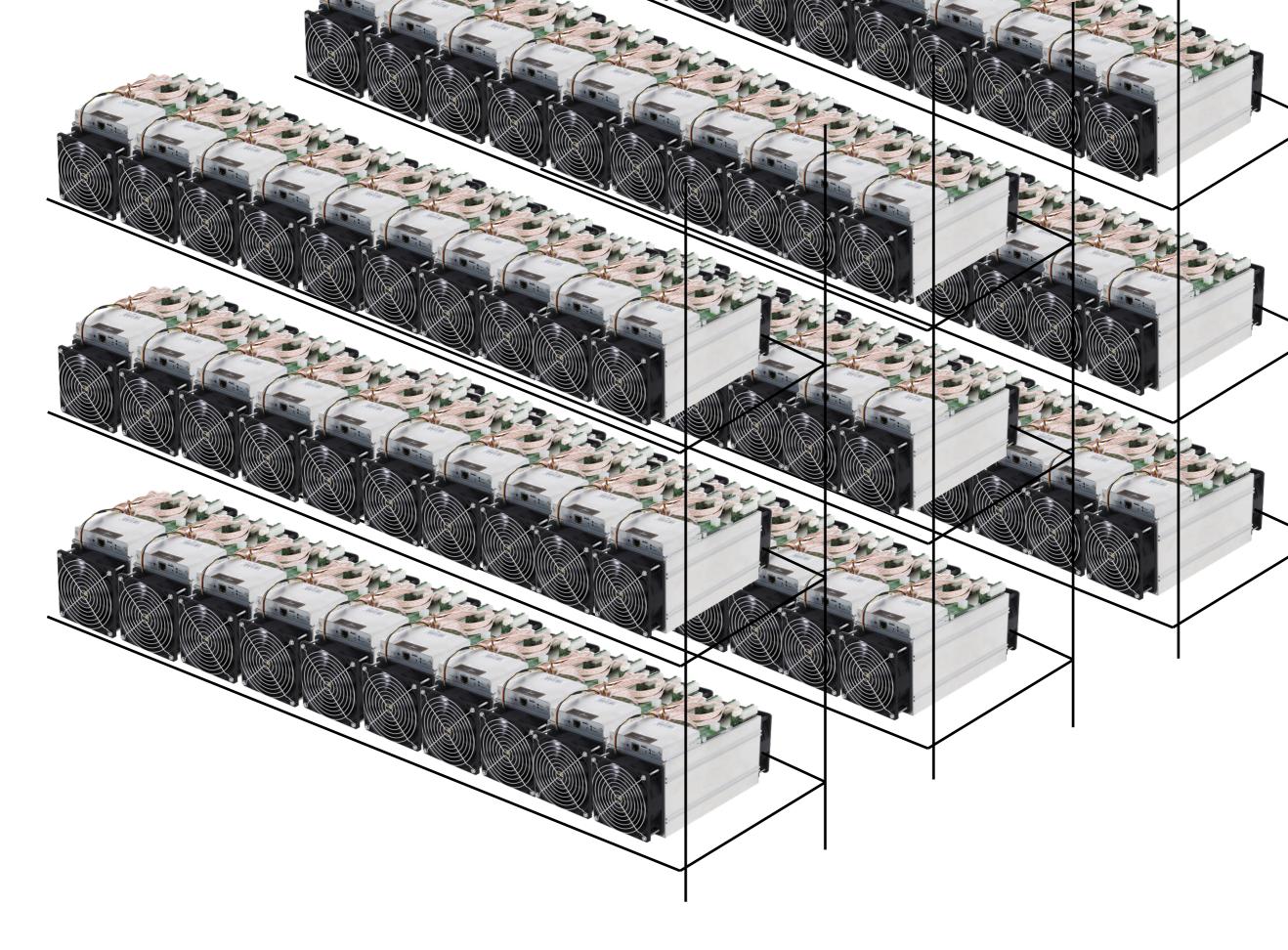




€1,500 ~ €100 / month ΔEH



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You can't mine BTC

Then what can I mine?

Pretty much everything else

Altcoins

- Designed to not be mineable by ASICs
- Best mined with GPUs
- Usually 1-2 OOM cheaper than BTC
- Can then be traded for BTC automatically

Pools

- It's very difficult to mine crypto coins alone
- People create "pools"
- Miners join a pool, and then split the reward based on work
- Usually pools have fees

Generic MPCs

- Accept parameters such as hardware, cost per kWh, ...
- Show what's the most profitable altcoin to mine and how much you can make a month / year
- They don't take many things into account

Coin-Specific MPCs

- Accept parameters such as MH/s, cost per kWh, ...
- Show how much you can make from this Altcoin
- Usually much more accurate

Cloud Mining

- Companies with very large mining farms
 - Thousands, Millions of mining rigs
- They rent miners for 1-2 years for fixed price
- No need for hardware, just pay for contract
- Company may disappear, ...

Thank you!

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