

HS18

ADMIN

Challenge Task & Exam

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Mining: Evolution ASIC

■ Scenario: old ASIC miner

- Example: Avalon Batch #2
- 70GHash/s

■ Generates ~~2.11 CHF per day (2014)~~

■ Generates ~~~0.17 CHF per day (2015)~~

■ Generates ~0.0005 CHF per day (03.12.2018)

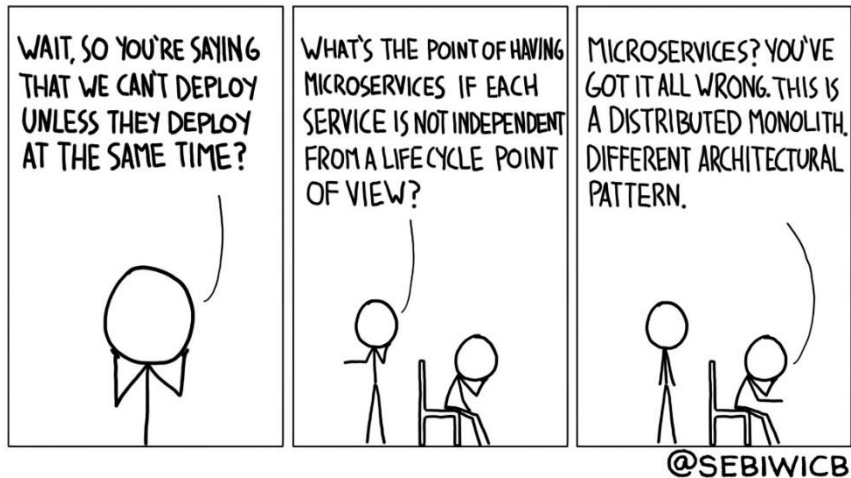
■ Uses 500-600W

- 0.6KWh with 0.08 / 0.04CHF
- Cost per day 2.59 CHF
(Hochtarif, Mo-Sa 06:00-22:00)
- Cost per day 1.30 CHF
(Niedertarif, rest)



Distributed Systems - In the News

■ Distributed monolith



■ 28.11.2018 Bazo Workshop

- Remo and Keerthi presented their smart contract language Lazo

■ 03.12.2018 The Crypto Winter Is Here and We Only Have Ourselves to Blame

- "Let's quit this ugly obsession with price"

■ 02.12.2018 Blockchain Smartphone: Finney

- ICO in 2017 ~160m USD
- Phone with cold storage wallet
- Competing with [Exodus 1](#) from HTC

■ 04.12.2018 **Blockchain - Die Technologie hinter dem Hype Bitcoin**

- 17:00 im Raum 1.205, Cornelia Scherrer, Kilian Diener von der Accenture

DSA Challenge Task Milestone Results

■ Practical work: key element of this lecture

- Learning goals: **do I know how to start (and where to look) if I want to develop a fully decentralized application?**
- Learning distributed systems “the hard way”
- Lecture gives an overview, students should be able to figure out the details (practical work)
- Exam takes this into consideration that exercises were challenging
 - Its not worth to learn e.g., the syntax of Solidity if you don't need it. It can look completely different in 2 years.
Concept matters!
 - No questions asked in exam to write Solidity code (you may be able to read though)

■ Exam questions: similar questions as in VSS

■ Presentation dates



URL: Q-Feedback

<https://qfeedback.hsr.ch/q-feedback/login>

- Exercises: one big (DSA) vs many small (VSS)?
- Focus on practical work (practical work vs theoretical)?

Questions?

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