



**OST**

Eastern Switzerland  
University of Applied Sciences

# Distributed Systems (DSy)

**In the news**

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# Distributed Systems & Blockchain in the News

- Last week: GPU prices / availability
  - 24.02.2022: Ukraine war flashes neon warning lights for chips [\[link\]](#)
  - Ukraine large producer of neon gas, used for chip production
  - 28.02.2022: Chinese suppliers of noble gases, key for chipmaking, ramp up production to meet surging demands [\[link\]](#)
  - 02.02.2022: South Korea: Semiconductor-grade neon gas planned to be available in the second half of 2022 [\[link\]](#)
- 03.03.2022: EU will Druck auf Russland erhöhen – und nimmt Kryptowerte ins Visier [\[link\]](#)
  - Russia banned from **SWIFT**, fallback: Bitcoin, Ethereum → ATM **queues**
  - Bitcoin **+25%** last 7 days
  - 03.03.2022: Kiew: Kryptogeldbörsen sollen russische Nutzer sperren [\[link\]](#)
    - Against crypto currency movement: bring more financial freedom to everyone

# Distributed Systems & Blockchain in the News

- Motivation why we need distributed systems: HW will eventually fail
  - Starlink now available in Ukraine
    - Request to Starlink (Sattelite based Internet) – you only need a dish, no other Infrastructure in the country is required [\[link\]](#)
  - ~137 Mbps up/24 Mbps down, 77ms RTT [\[link\]](#)
    - 77ms is larger than other [reports](#), last lecture: ping to australia ~300ms vs. professional eSports
      - [Test](#) dsl.i.ost.ch
  - 01.03.2022: Ukraine bittet, Russland vom Internet zu trennen [\[link\]](#)
    - [RIPE NCC: No](#)
- 02.03.2022: Russia places extraordinary demands on OneWeb prior to satellite launch [\[link\]](#)
  - [Starlink, Kuiper, OneWeb](#)
  - OneWeb relies on Soyuz rockets to launch 34 sattelits
  - Demands: not be used for [military](#) purposes and UK must give up [ownership](#): (Bharti Enterprises (42.2%), Eutelsat (22.9%), UK Government, SoftBank, Hanwha, Hughes Network Systems)
  - Starlink uses [SpaceX](#)