

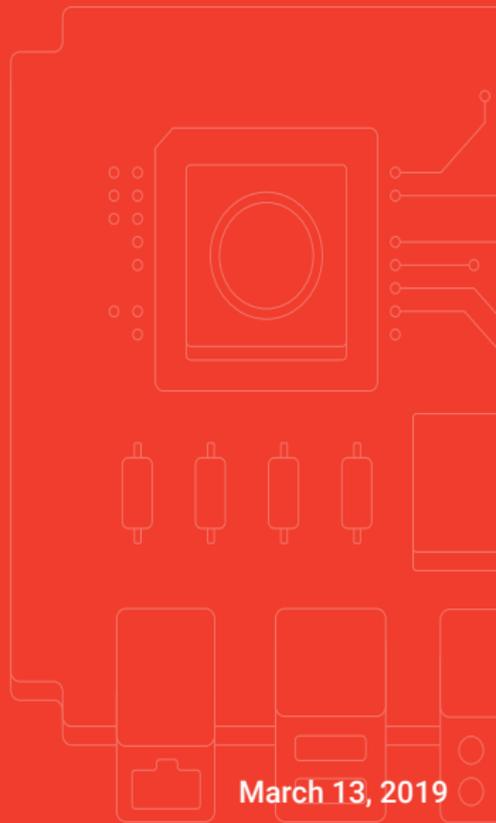
Zagreb, Peering Days 2019

# Telecom Rebooted

Luka Perkov · Davor Popović



March 13, 2019



# About Sartura and presenters

- Luka Perkov, Davor Popović
- Delivering solutions based on Linux, OpenWrt and Yocto
  - Focused on software in network edge and CPEs
- Continuous (commercial) participation in Open Source projects



# Our experience

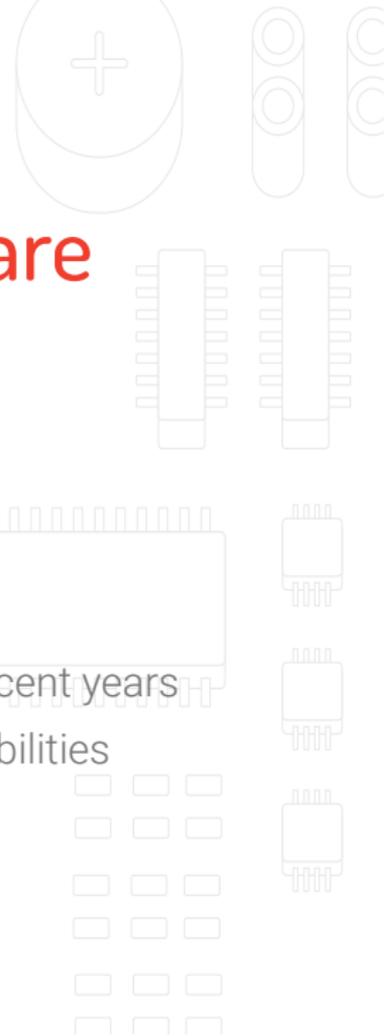


# Telecoms progress slowly

- Overpriced services
- Little difference in offering between ISPs
- Users are given black boxes with limited functionality
- Time-consuming process of deploying new services

# Antiquated software & underperforming hardware

- Market drives equipment quality down
  - Impacts both software and hardware
- Major security vulnerabilities
  - Numerous security exploits over the recent years
  - Growth of IoT introduces more vulnerabilities

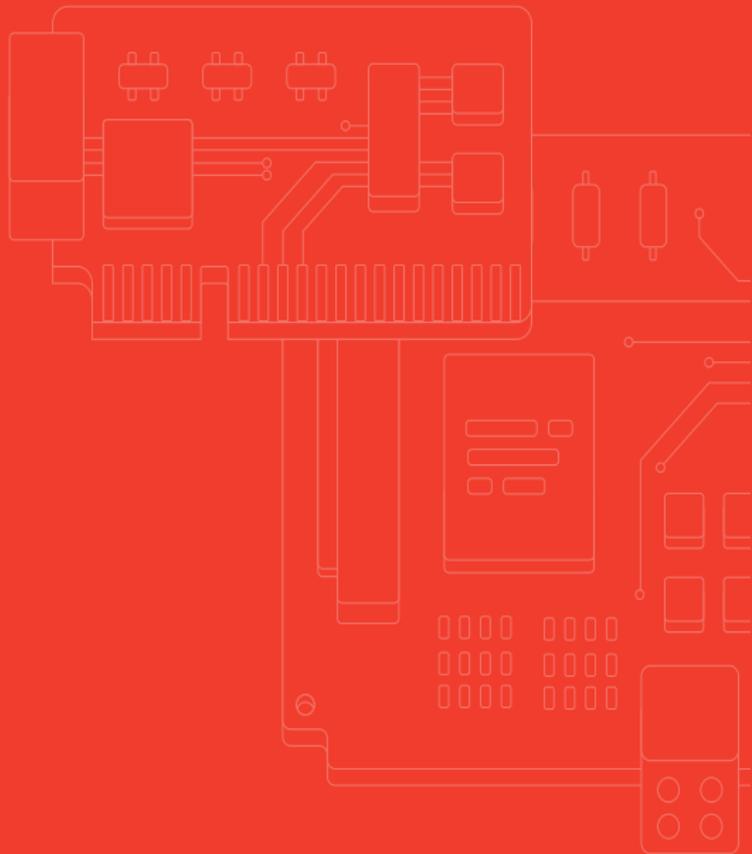


# Vendor lock-in

- Populated with proprietary, single-purpose platforms
- Software & hardware vendor lock-in
- Limited control over devices and services
- Inability to update & upgrade software

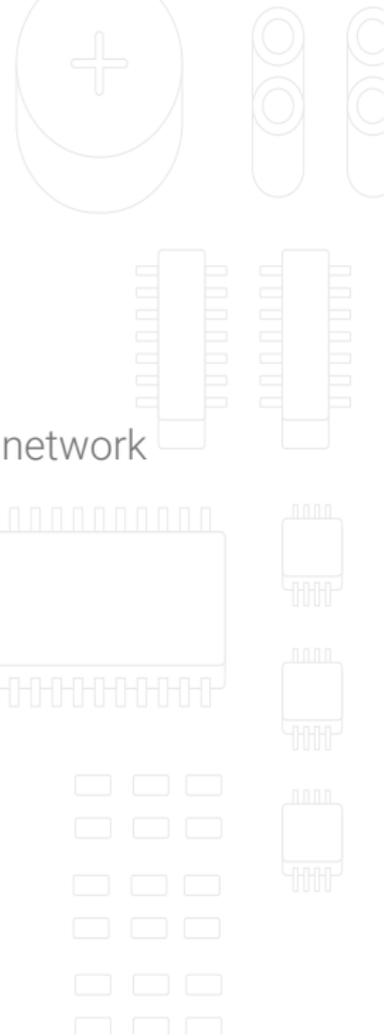


# Our vision



# A different approach

- Working on next-gen solutions with partner network
- Complete control over network
  - Bare metal
  - Virtualization



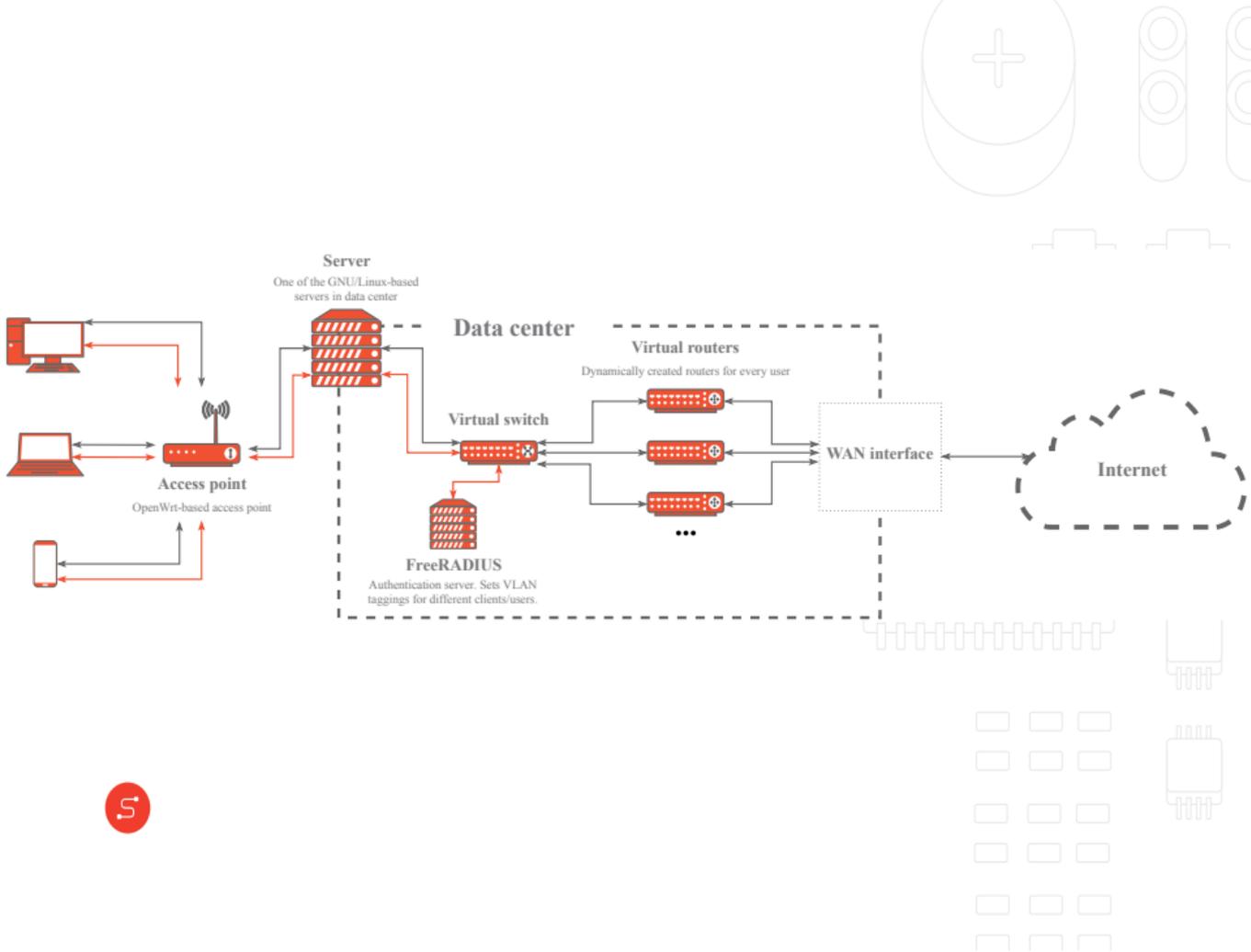
# Open Source technologies

- Full control over **all** software
- Latest features and security fixes
- Easy and fast adaptation of new services



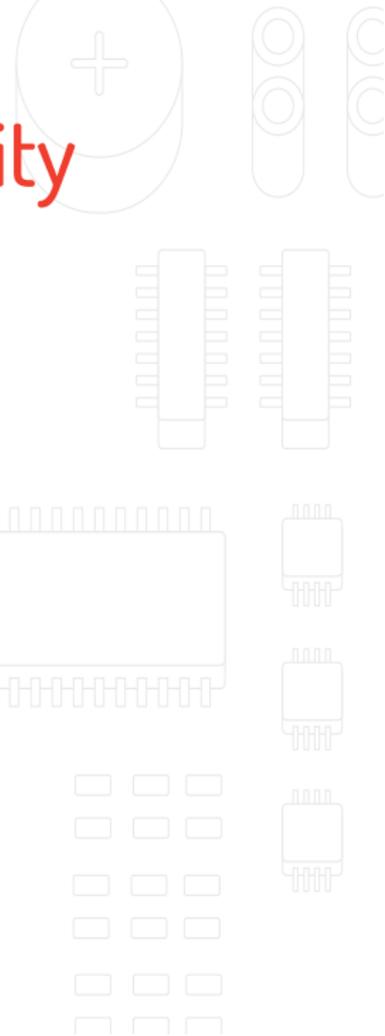
# Optimal hardware at every layer

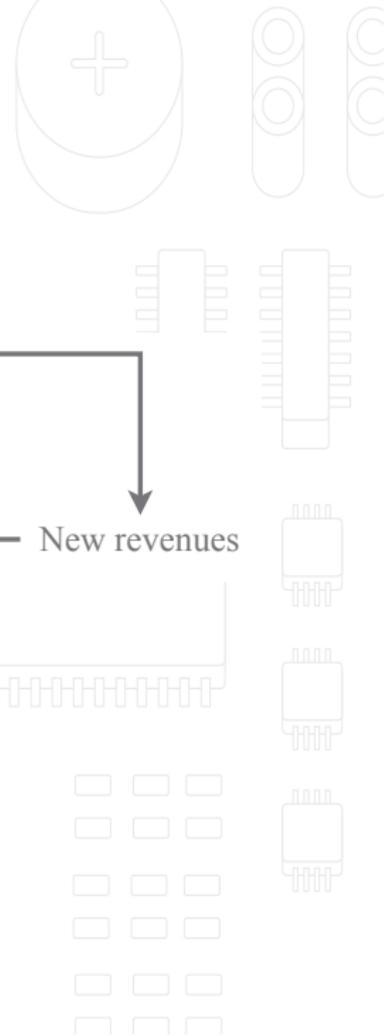
- Collaboration with chipset vendors and OEMs
- Handpicked components from data center to on-field CPEs
- Based on ARM processors with low power consumption
- Reducing both capital and operational costs



# More than just connectivity

- Differentiation by services
- Providing quality and diverse services
  - Entertainment, security, IoT
- Wholesale technology provider
  - Development of custom functionalities





# Telecom Rebooted

[luka.perkov@sartura.hr](mailto:luka.perkov@sartura.hr) · [davor.popovic@sartura.hr](mailto:davor.popovic@sartura.hr)



[info@sartura.hr](mailto:info@sartura.hr) · [www.sartura.hr](http://www.sartura.hr)

