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SWITCH (Swiss NREN, AS559) since 1996

- 1996–2011: backbone team

- IETF: IPFIX, NETCONF

- Research interests:
  - Network measurement
  - Charging & accounting
  - Alternative Internet architectures e.g. with route selection by hosts

- Engineering/ops: accounting (Netflow), management (SNMP, Rancid etc.), peering, IPv6

- Also DNS(SEC) for .CH/.LI

- since 2011: "cloud" (infrastructure & data)

- OpenStack, Ceph

- "Whitebox" networking, L3 leaf-spine fabric

Questions

- How can "Research Networks" effectively support networking research these days?
  - Space between carefully isolated "testbeds" and boring(?) production backbones that everybody expects to work 24x7
- What can we do to help Internet users feel "empowered" again? (new NGI initiative at the EU)
  - e.g. decentralized infrastructure that people can trust on a basic level