

# Rheintal

INTERNET EXCHANGE



## Rheintal Internet Exchange

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Swinog #36  
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# About us

- Founded in 2011.
- Legal form is an Incorporated Association based in LI.
- Connection Agreement derived from VIX and SwissIX.
- Hardware, links and rackspace donated by sponsors.
- Peers are encouraged to become members.
- Small recurring member fees to keep it going.
- A handful of technicians running the network and services.

# Sites



- LI: In a facility of LKW in Eschen.
- AT: In the Data Center of Stadtwerke Feldkirch.
- CH: In a facility of Stadtwerke St. Gallen.

# Connections

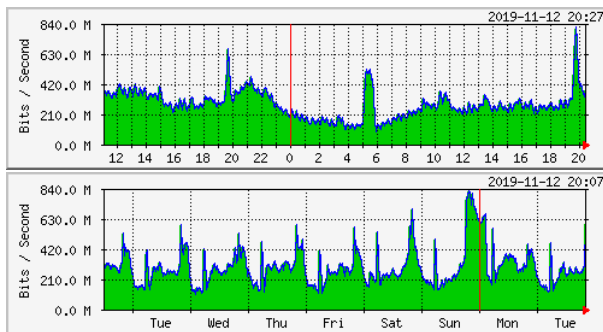


- 10Gbps between the sites in AT and LI.
- 1Gbps between sites LI and CH.

# Peering Mesh

- 1GigE and 10GigE ports
- No multicast allowed.
- No private peering.
- 15 Connected peers:
  - 11 local ISPs.
  - 2 remote ISPs.
  - 2 companies.

# Traffic rates



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# Services

- IXPManger in Version 5.x .
- Two Route Servers running Birdv2.
  - Prefix filtering by BGP community, extended community and/or large community.
- A Route Collector.
- Two RPKI Servers.

# Our mission

- Keep local traffic local.
  - Still some blank spots in our peering matrix.
  - 7 members peer on the Route Servers.
- Support members to optimize their BGP setup.
  - Annual events for all members with technical sessions and a social event afterwards.
- High availability.
  - Skilled and dedicated persons involved.
  - DevNetOps with Gitlab, Nornir, NAPALM and IXPManger.
- KISS principle.
  - No recurring costs.
  - Switches of same type.
  - All servers run the same OS.



# Outlook

- More peers.
  - Especially at site St.Gallen.
  - Public sector.
  - Big Enterprises in the region.
- 10Gbps in the backbone everywhere.
- Site in Germany.

**Thank you.**

Any questions?