



# Separation of IPv4 and IPv6 in LHCOPN

LHCONE meeting #50

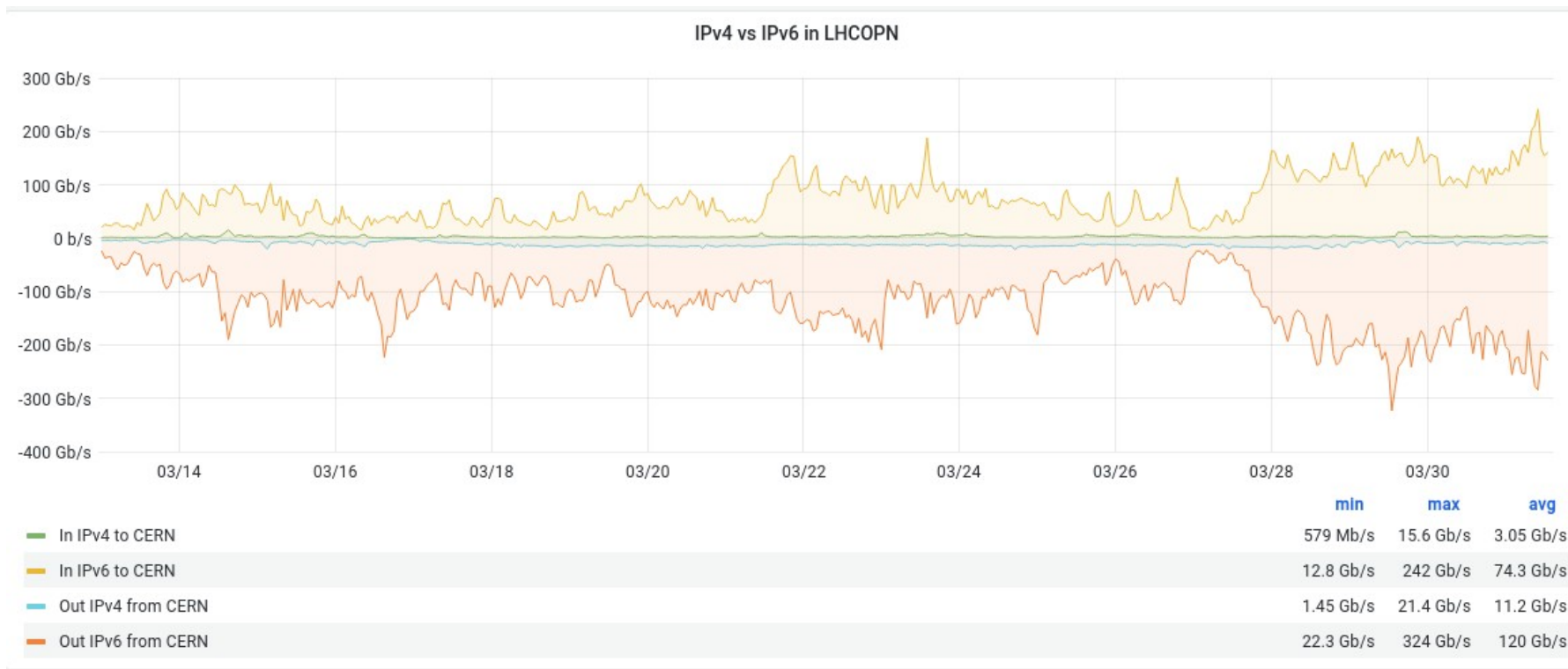
18 April – Prague CZ

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# Separation of IPv6 and IPv4 traffic

- On-going activity to separate IPv6 from IPv4 on LHCOPN links
- Prompted by unreliable sflow data on new CERN LHCOPN routers
- Implemented using two parallel VLANs
- Already done:
  - CA-TRIUMF, DE-KIT, ES-PIC, FR-IN2P3, NDGF, NL-T1, RU-JINR, RU-KI, UK-RAL, US-BNL, US-FNAL
- Next: IT-INFN-CNAF, KR-KISTI

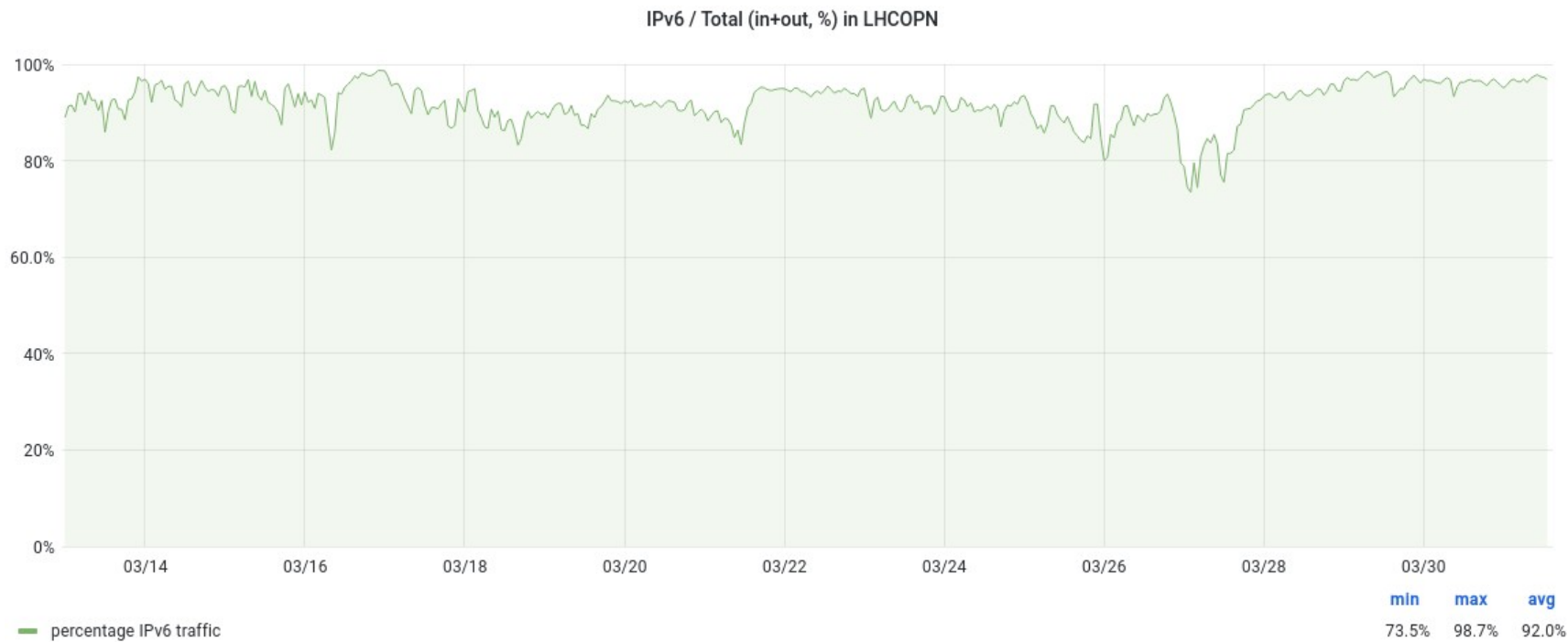
# Large majority of traffic is IPv6



Ref: <https://monit-grafana-open.cern.ch/d/cumEJJb4z/lhcopn-one-ipv6-vs-ipv4?orgId=16>

# IPv6 may be already above 90%

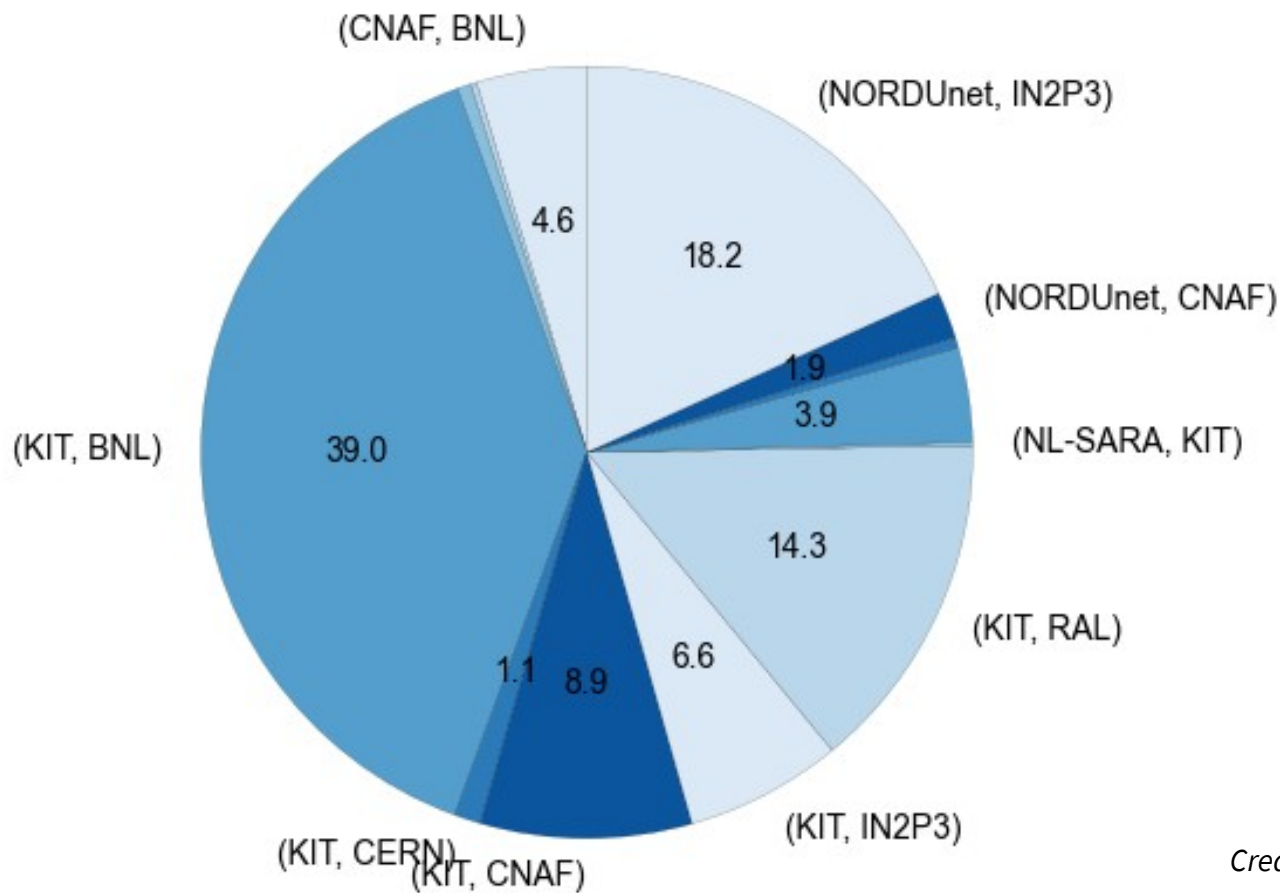
IT-INFN-CNAF and KR-KISTI not yet included



Ref: <https://monit-grafana-open.cern.ch/d/cumEJJb4z/lhcopn-one-ipv6-vs-ipv4?orgId=16>

# Top talkers

LHCONE/LHCOPN IPv6 TOPTALKERS  
(17th March - 17th April 2023)



Credits: Carmen Misa (CERN)



# Next steps

- Complete splitting of IPv6 traffic on all LHCOPN links
- Public full statistics

*Questions?*

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