Table of Contents

LHCONE...........................................................................................................................................................1
  Information......................................................................................................................................................1
  LHCONE Service........................................................................................................................................1
    Operations...............................................................................................................................................1
    Monitoring.............................................................................................................................................1
  LHCONE Service........................................................................................................................................1

Working Groups...............................................................................................................................................3
LHCONE

Large Hadron Collider Open Network Environment

Information

- Recent LHCONE meetings
- How to get write access to this Twiki

LHCONE Service

- L3VPN Service (VRFs, Connected sites)
  - LHCONE Prefixes
- Maps
- How to connect to the LHCONE L3VPN
- LHCONE AUP
- new LHCONE AUP -- under construction / draft (2020/02/17)
- How to provide a regional instance of the LHCONE L3VPN backbone (for Network Operators)
- MTU recommendations

Operations

- Support
  - To get support for LHCONE issues, please contact your local network provider. They will escalate to the right upstream providers, if necessary
  - For data transfer performance issue, please contact wlcg-network-throughput@cernNOSPAMPLEASE.ch
  - For problems with perfSONAR, please contact wlcg-perfsonar-support@cernNOSPAMPLEASE.ch
- Looking Glasses:
  - LHCONE looking glass
  - GEANT - add `routing-instance lhcone-l3vpn` in the argument field
- perfSONAR stats
  - WLCG MAIDDASH
  - CERN Grafana
    - Dashboard
    - Latency per area
    - Throughput
    - end2end performance
    - IPv4 vs IPv6
- VRFs Traffic Statistics:
  - CERNlight
  - ESnet
  - Geant (login needed)
  - Internet2
  - Renater

Monitoring

- WLCG monit-grafana
- perfSONAR
- MaDDash LHCONE
• MaDDash WLCG
• LHCONE BGP Filtering State
• ESnet LHCONE prefixes (JSON)
• ESnet LHCONE IPv6 prefixes (JSON)

Deprecated pages:

• Perfsonar-PS sites
• Perfsonar-MDM

**LHCONE Service**

• P2P Service
• Minutes of meetings and calls
Working Groups

• Operations
• VRF
• Trill/SPB
• Openflow
• NSI
• Diagnostic
• Software APIs
• Mailing lists:
  ♦ lhcone-architecture@cernNOSPAMPLEASE.ch (mailing list archive)
  ♦ lhcone-operations@cernNOSPAMPLEASE.ch (mailing list archive)
  ♦ lhcone-asia-pacific@cernNOSPAMPLEASE.ch (mailing list archive)
  ♦ If you have a CERN account you can subscribe here. Otherwise ask extip@cernNOSPAMPLEASE.ch