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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)
- Maps
- How to connect to the LHCONE L3VPN
- LHCONE AUP
- 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 MADDASH
  - 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)
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- If you have a CERN account you can subscribe here. Otherwise ask extip@cernNOSPAMPLEASE.ch

This topic: LHCONE > WebHome
Topic revision: r80 - 2019-10-18 - EdoardoMARTELLI

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