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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)
 - ◆ LHCONE Prefixes
- 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 [↗](#))
 - ◆ 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
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