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LHCOPN - Large Hadron Collider Optical Private Network

WLCG Tier0-Tier1 Private Network

Primary information

- Foundations
- LHCOPN AUP
- Routing architecture
- Network topology diagrams
- IP addresses
- Routing policies
- Link's information and Site names
- Technical contacts
- Operational contacts

Monitoring

- perfSONAR-PS in LHCOPN
- Traffic statistics:
  - CH-CERN Netstat
  - CH-CERN in Monit (CERN login required)
  - DE-KIT
  - FR-CCIN2P3 1 and 2
- Looking Glasses:
  - FR-CCIN2P3 -
- Hosts and routers in the LHCOPN: Smokeping statistics FR-CCIN2P3
- Monitor Working Group
- LHCOPN and LHCONE IPv4 and IPv6 traffic volumes

Additional information

- How to get Write access to this twiki
- Per site implementation details
- Regular backup test process and reports
- WLCG networking Twikis
- LHCOPN Meetings Archive
Outdated documentation

Operational model

• LHCOPN operational model
• Sample use cases of the operational model
• FAQ - Frequently asked question around the operational model
• Private twiki area for Operations (TTS access, change management DB etc.) - Authentication required

Operations

• Opened GGUS tickets reported as impacting WLCG services - Certificate required
• Operations calendar - All events displayed are service impacting!
• BGP monitoring correlated with GGUS tickets - Certificate required
• Operations Teleconference

Monitoring

• Monitoring draft document (March 30, 2006 draft, MS Word, 578K)
• Monitoring Infrastructure

Security

• GGF document about Firewall issues overview
• LHCOPN security policy document
• Security in HEP laboratories

Others

• LCG Service Challenge TWiki
• Mirror of some key public pages of this twiki (contacts...)
• T2s connectivity WG (later LHCONE): material archive - previous (2009) WG outcome

Working groups' mailing lists

• Mailing list subscription form
• project-lhcopn-routing mailing list archive
• project-lhcopn-opswg mailing list archive
  ♦ Old project-lhcopn-operations mailing list archive
• project-lhcopn-monitoring mailing list archive
• project-lhcopn-security mailing list archive
Site Tools of the LHCOPN Web

- (More options in WebSearch)
- WebChanges: Display recent changes to the LHCOPN web
- WebIndex: List all LHCOPN topics in alphabetical order. See also the faster WebTopicList
- WebNotify: Subscribe to an e-mail alert sent when something changes in the LHCOPN web
- WebStatistics: View access statistics of the LHCOPN web
- WebPreferences: Preferences of the LHCOPN web (TWikiPreferences has site-wide preferences)