Jumbo Frame survey results

LHCONE meeting #52
11th April 2024 – Catania IT
edoardo.martelli@cern.ch

Results

53 answers received during ~1 month

10 Tier0/1

Support for jumbo frames

Do you support jumbo frames in your WLCG site LAN equipment?

  Yes: 33

  No: 19

Do your storage servers use jumbo frames?

  Yes: 26

  No: 27

Do your worker nodes use jumbo frames?

  Yes: 19

  No: 32

Frame size

If Jumbo frames are in use, which IPv4 and IPv6 MTU values have
  been configured? [IPv4] [IPv6]

9000: 23
9216: 2
8252: 1
9200: 1 (9134 in IPv6)

Issues by using Jumbo frames

- WAN issue due to broken PMTU discovery: 3
- Issues with legacy devices not supporting Jumbo: 1
- Reverted to 1500: 1
- Some, then fixed: 7
- All servers in the subnet must run Jumbo: 2
- None: 4

Would you consider enabling Jumbo?

Total No: 10

      No: 4

      No, because all servers in the same subnets have to use it: 1

      No, fear of problems: 2

      No, no manpower/expensive: 3

Total yes/maybe: 17

      Yes: 5

      Yes, when legacy OS/devices go away: 2

      Yes, but need to understand pros: 3

      Maybe: 7

Jumbo in WAN links

LHCOPN/LHCONE

      Yes: 31

      No: 5

      Not known: 10

REN upstream

      Yes: 31

      No: 2

      Not known: 17

Jumbo in WAN links

Size

9000: 15

9216: 5

9214: 2

8996: 1

Questions? Comments?

edoardo.martelli@cern.ch