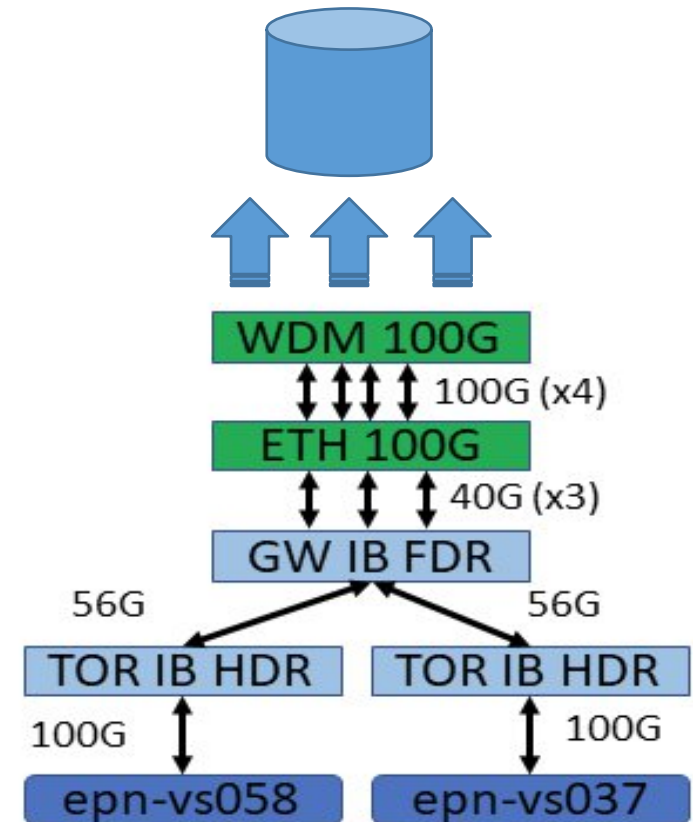


# More tests on EOS

Massimo, Johannes and Mikolaj

# Recent EOS tests (1)

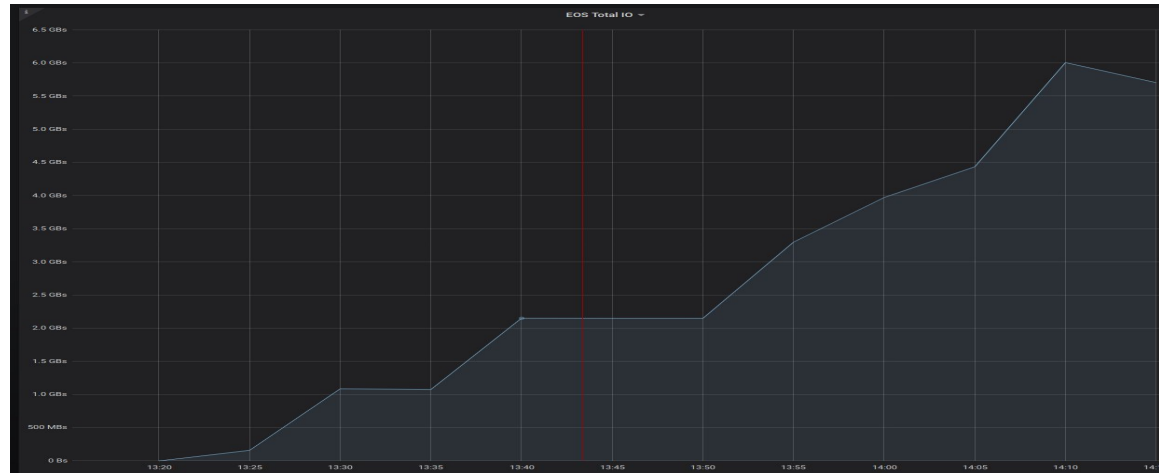
- Repeat standard test 8 machines connected to 2 switches
- 20 streams (concurrent transfers) from each node (160 in total)
- In parallel I could check the Mellanox gateway:
  - Nice balancing on the 3 links (between GW IB FDR and ETH100G)
- When running with all streams, I see some (few) "TX wait"
  - Unclear meaning and impact. Maybe just red herring. Anyway correlated to congestions



Up 8 epn-vs\* used, 4 per TOR switch

EOS rate increasing the # of streams

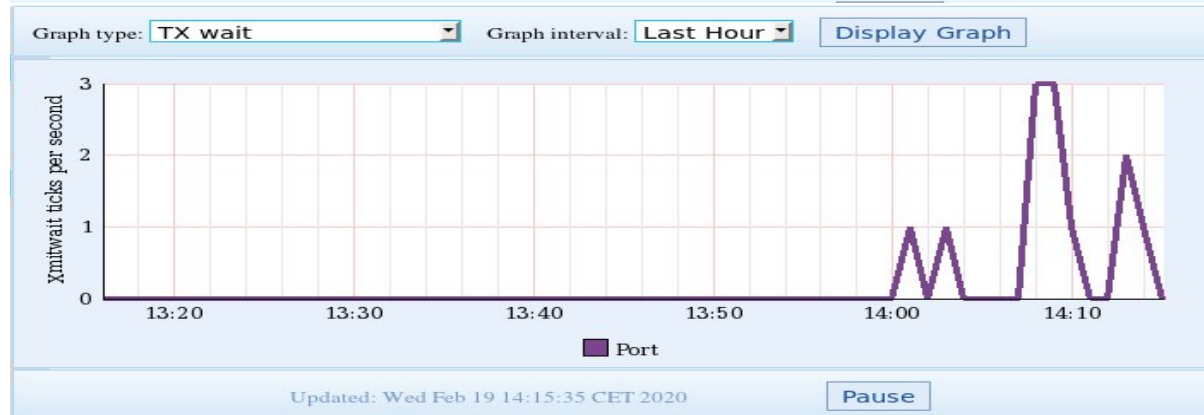
N.B. saturating ~ 6GB/s (8 machines)



1 of the GW output (all three equivalent), not seen dropped packet nor errors



TX wait (3 Hz max) when passing from 4 machines to 8 machines (80 concurrent transfers to 160)



# Recent EOS tests (2)

- Repeat the same test with smaller files (200 MB instead of 2GB)
- With this setting I can see I can go above 56Gb (as already seen by Johannes in the mem to mem tests)
- I suspect some misconfig at the level of the disks misbehaving when hit by multiple streams (since there are 244 disks I expect to have --with 160 streams-- about 120 spindles delivering 12GB/s)
- This will be clarified with the upcoming tests (not on the critical path)

