IPv6 status in ALICE

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Storage status (disk endpoints)

IPv6 deployment focus, by now virtually the entire namespace is reachable on IPv6

No IPv6 record:

Birmingham, GSI, KFKI(2 endpoints), ORNL, SARFTI, Torino, Trieste

Connectivity issues:

SPbSu, SUT, CNAF (4 out of 6 entries in LB)

Tier	Size (PB)	Size w/IPv6	%	Count	Count w/IPv6
Tier0	150.6	150.6	100%	3	3
Tier1	40.2	40.2	100%	9	9
Tier2	49.7	37.4	75%	37	27
Total	240.5	228.2	**94%**	49	39

VoBox status

At least one point of presence per site

- Typically part of the computing cluster

Shows the degree of sites fully adopting IPv6

49 out of 103 machines (**47%**)

- 3 of them are configured but not working

32 out of 71 sites (**45%**)

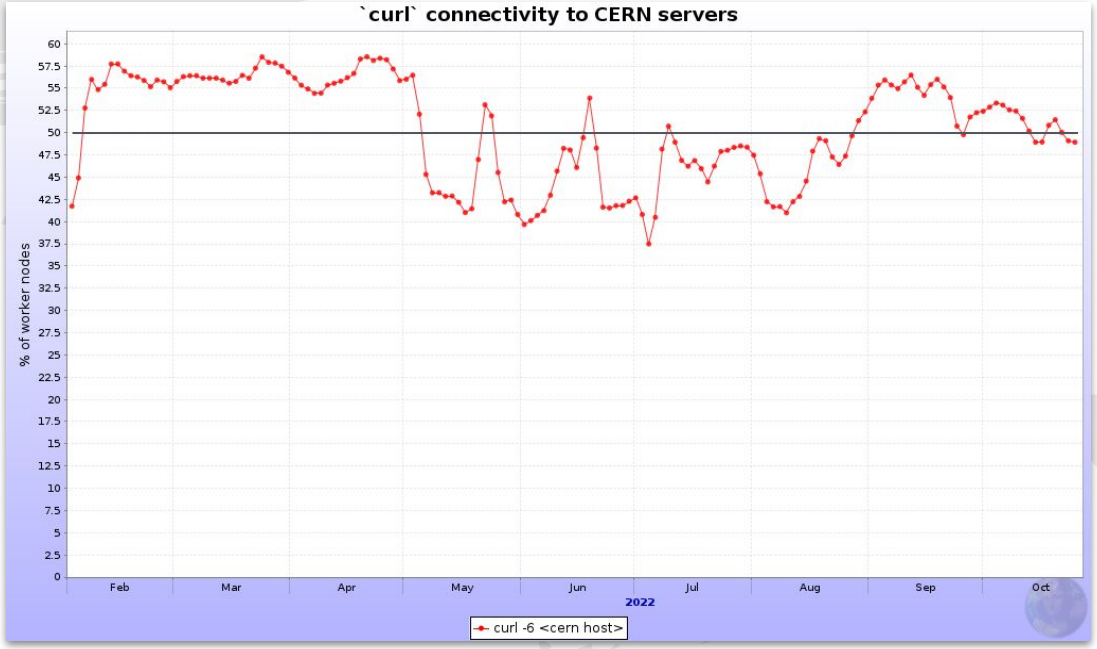
WN status

~**50%** of the hosts(*) have a functional IPv6 stack

Matches the VoBox stats

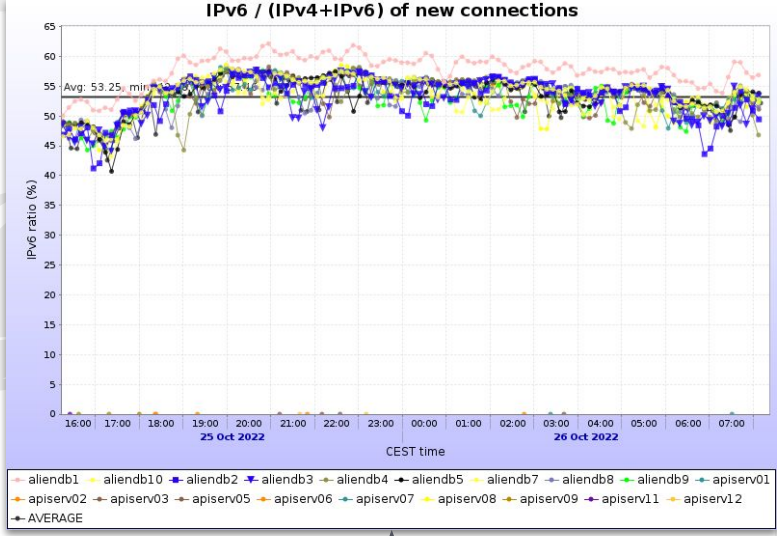
Site are reluctant to deploy it fully

=> need for dual stacked storage for the foreseeable future



(*) Where an ALICE job runs, 1 test / day

Software stack



Grid middleware is IPv6 ready

- Java, Python and latest Xrootd bin/lib
- Root6 & Xrootd 5.5 for the experiment software stack
- JobAgents connect by default on IPv6 in **~53%** of the jobs
  - ~as much as `curl -6` (but that metric is per host)

Old software (Root5 & Xrootd 3.x) still around

- Must be supported until legacy productions are phased out
- So IPv6-only nodes are generally not ok yet
- For them any IPv4 would do