

WLCG & IPv6

Survey of Site Readiness

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IPv6 pre-GDB, CERN

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Survey of all WLCG Tier 0/1/2

- Announced on 28 May 2014
- We asked all sites to respond before 6th June
- Questions
 - Is your site already offering connectivity, routing and naming services for IPv6 end systems?
 - If so, have you already enabled IPv6 on some of the services you manage?
 - If not, are there plans for this? If so, what are the timelines?
 - Does your site currently have problems with allocating a sufficient number of IPv4 addresses? Or foreseen in the near future?
 - Other work, other comments
- Complete wiki table at

[https://www.gridpp.ac.uk/wiki/2014 IPv6 WLCG Site Survey](https://www.gridpp.ac.uk/wiki/2014_IPv6_WLCG_Site_Survey)

Results to date

- Many thanks to those replying quickly
- VERY much an initial analysis (errors are mine)
- The table is live
 - Please add new lines or modify your answer when the situation changes (just change the “date” field)
- We had responses from CERN (Tier 0) and
 - 11 Tier 1 sites (2 missing)
 - 85 Tier 2 sites (~70 missing)
- We will send another reminder
 - Then start to issue tickets against sites

Tier 0 and 11 Tier 1 sites

- IPv6 connectivity?
 - 1 yes (CERN), 7 partial, 4 not yet
- Enabled services?
 - Limited, mainly DNS, web, email etc.
- When will you be ready?
 - 1 now (CERN), 6 within 1 year, 5 not defined
- Lack of IPv4 addresses?
 - Just 1 (CERN)

Tier 2 sites (85 of them)

- IPv6 connectivity?
 - 16 yes, 9 partial, 60 not yet
- Enabled services?
 - Some DNS, web, email etc, but ~13 sites have deployed more widely
 - Some test-bed, some production
- When will you be ready? (for those with no current IPv6)
 - 8 within 1 year, 1 within 2 years, 6 are planning (no timetable)
 - ~ 45 have no plans or timetable is unknown
- Lack of IPv4 addresses?
 - 5 sites now, many say OK now but problems in a few years
 - Many sites not current use of private IPv4 for worker nodes

Questions ?