

# Testing Plans

Coming out of IPv6 WG meeting

4/5 April 2013

# CMS data transfer tests

- Agreed that this is still very useful
  - To show that data transfers can be sustained
  - Useful for debugging site issues
- Not only the GridFTP mesh
- Add PhEDEx, FTS and Storage elements
  - Starting with DPM
- Small scale is good to involve many sites
  - Helps them learn about IPv6

# SL5 or SL6?

- Agreed that most testing should still be done on SL5
  - We should use same software as current production
- Let the others debug SL6
  - When it is being used in production we will move to testing it

# Larger scale testing

- Agreed we cannot use the production infrastructure until we are convinced it will not break things
- To do this we need more extensive testing
- Glasgow has a larger IPv6 cluster ready for use
- KIT has plans to install one in the coming months
- We will need some more sites
  - CERN – yes (but need effort from WLCG)
  - Across the ocean sites are needed to test long distance behaviour
    - IHEP (Beijing)?, FNAL and/or BNL?

# Testing use cases

- Simplest in terms of needs
  - Production Monte Carlo
  - Use case could be IPv6-only machines in opportunistic Cloud resources
- Next is Production Reconstruction
  - What services does that need?
- Most complex in terms of requirements is general user analysis
  - E.g. requirement to connect to AFS

# Production Monte Carlo

- Start with real machines (IPv6 only) rather than VMs
- Required network access
  - Some form of workload management
    - To get the work into the WN
  - Output from the job
    - Simple file?
    - Does it need to write to an SE?