WLCG perfSONAR-PS Toolkit Deployments for Network Monitoring and Diagnosis

Tuesday, 17 September 2013 17:00 (20 minutes)

Networks are critical components of infrastructure for many different scientific fields that are either data-intensive or geographically distributed or both. However debugging problems in wide-area networks has never been easy. The LHC community has been using perfSONAR-PS toolkit distributions to instrument their sites and setup scheduled tests since USATLAS began deploying it around 2007. In the last two years there has been a significant increase in the number of sites using the perfSONAR-PS toolkit worldwide, starting with the adoption of the perfSONAR-PS toolkit for the LHCOPN and its following use for tracking the network impact of the transition to LHCONE. Now we have a WLCG Task-force targeting the deployment of perfSONAR-PS toolkits at all WLCG Tier-1 and Tier-2 sites. We will report on the WLCG taskforce plans and experience gained from these efforts and highlight our lessons learned. After summarizing our status we will conclude with our plans for the future.

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Session Classification: New developments in WLCG for Run2