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Enabling IPv6 at FZU - WLCG Tier2 in Prague

Monday, 14 October 2013 15:00 (45 minutes)

The production usage of the new IPv6 protocol is becoming reality in the HEP community and the Computing Centre of the Institute of Physics in Prague participates in many IPv6 related activities. Our contribution will present experience with monitoring in HEPiX distributed IPv6 testbed which includes 11 remote sites. We use Nagios to check availability of services and Smokeping for monitoring the network latency. It is not always trivial to setup DNS in a dual stack environment properly therefore we developed a Nagios plugin for checking whether a domain name is resolvable when using only IP protocol version 6 and only version 4. We will also present local area network monitoring and tuning related to IPv6 performance. One of the most important software for a grid site is a batch system for job execution. We will present our experience with configuring and running Torque and Slurm batch systems in dual stack environment. And we will discuss the steps needed to run VO specific jobs in our IPv6 testbed.

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