21st International Conference on Computing in High Energy and Nuclear Physics **CHEP2015** Okinawa Japan: April 13 - 17, 2015

Contribution ID: **330**   Type: **poster presentation**

Migration experiences of the LHCb Online cluster to Puppet and Icinga2

The LHCb experiment operates a large computing infrastructure with more than 2000 servers, 300 virtual machines and 400 embedded systems. Many of the systems are operated diskless from NFS or iSCSI root-volumes. They are connected by more than 200 switches and routers. We have recently completed the migration of the management of this system from Quattor to puppet and of the original monitoring structure based on Icinga to icinga2. We also have a tight integration of icinga2 in puppet. In this paper we present challenges and experiences during this migration. We discuss and contrast the expected and observed operational improvements.

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Track Classification: Track6: Facilities, Infrastructure, Network