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WLCG Tier-2 site at NCP, Status Update and Future Direction

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National Centre for Physics (NCP) in Pakistan, maintains a large computing infrastructure for scientific community. Major portion of computing and storage resources are reserved for CMS experiment of WLCG project, and small portion of the computing resources are reserved for other non EHEP scientific experiments. For efficient utilization of resources, most of the scientific organizations have migrated their resources on Cloud. NCP has also taken initiative last year, and migrated most of their resources on scientific cloud. HT-condor based batch system has been deployed for local experimental high energy physics community, to perform their analysis task. Recently we deployed HT-Condor Compute element (CE) as a gateway for CMS jobs. On a network side, our Tier-2 site is completely accessible and operational on IPv6. Moreover, we recently deployed Perfsonar node, to actively monitor the throughput and latency issues between WLCG sites. This paper discusses status of NCP Tier-2 site, current challenges and future direction.

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