

HTCondor as batch system in India-CMS Tier-2 Grid

After the retirement of Globus Toolkit, *HTCondor* has been widely adapted in WLCG sites. The reason of the popularity of HTCondor as a batch system could be the maturity of software functionality and strong development and support team, which is getting better day by day. It is open source and fulfils most of the requirements of a user or groups. Integration with other batch systems (i.e. PBS/Torque, LSF, SLURM etc.) and deployment in grid or cloud are couple of features of this batch system.

Tata Institute of Fundamental Research (TIFR), Mumbai, India is hosting one of the biggest Tier-II (T2) grid center in World Wide LHC Computing Grid (WLCG) for Compact Muon Solenoid (CMS) experiment. There are two registered sites for TIFR, 1) Tier-II (T2_IN_TIFR) and 2) Tier-III (T3) with the registered name T3_IN_TIFRCloud. Where, T3 is able to scaleup the CPU as opportunistic resources including clouds. In this talk, I would present and discuss the overall experience of HTCondor batch system, which has been used as job submission in both grid and cloud, since 2017 at TIFR.

Primary author: PATEL, Puneet Kumar (Tata Institute of Fundamental Research, Mumbai, India)

Presenter: PATEL, Puneet Kumar (Tata Institute of Fundamental Research, Mumbai, India)

Session Classification: Physics and Engineering Applications

Track Classification: Track 1: Physics and Engineering Applications