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PLAT −PBS Log Analysis Tools

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Many computing farms use as a local batch system management PBSPro or its free
version OpenPBS, respectively Torque and Maui products. These packages are delivered
with graphical tools for a status overview, but summary and detailed reports from
accounting log files are not available. This poster describes set of tools we are
using for an overview of resources consumption in a last few hours and days. Tools
can be run regularly to monitor finished jobs. They are able to send an alarm if some
condition appears −typically a large amount of very short jobs on a worker node is a
sign of a misconfigured node. No database is needed to run these tools. This
simplifies an installation and usage of PLAT, but limits its use to statistics from
tens of thousands of jobs.

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