Parallel Workloads Archive

This page contains a repository of information regarding the workloads on parallel machines. It has two main parts: raw workload logs from various machines around the world, and workload models (sometimes derived from these logs). The goal is to make this information freely available to researchers interested in the evaluation of parallel systems, and specifically schedulers for such systems. In addition, there is a bibliographical listing of papers related to workload issues, with a focus on papers using the available logs and models.

If you use the resources available here in your work, please refer to this page as the source, so that whoever reads your work will also be able to obtain them. Please also cite (and read!) our paper entitled "Experience with using the Parallel Workloads Archive" (*J. Parallel & Distributed Comput.* **74(10)** pp. 2967-2982, Oct 2014), which contains important information about the archive and the handling of the data.

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- **The standard workload format**
- **Workload logs**
- **Workload models**
- **Bibliography**
- **Workload modeling book**
- **Related links:**
  - The Grid Workloads Archive at TU Delft
  - MAUI scheduler traces from supercluster.org
  - NPACI JOBLOG Repository from SDSC
  - The Failute Trace Archive
  - The computer failure data repository
  - The Tracefile Testbed with logs of MPI calls and other events in parallel applications
  - The BYU Performance Evaluation Laboratory Trace Collection Center, with address, instruction, and disk I/O traces.
  - New Mexico State Univ Trace Database -- address traces for processor architecture studies
  - AppLes survey regarding moldable jobs
  - Workshops on Job Scheduling Strategies for Parallel Processing
  - IISWC: IEEE Intl. Symp. on Workload Characterization, (previously called WWC: Workshop on Workload Characterization).
  - CAECW: Workshops on Computer Architecture Evaluation using Commercial Workloads
  - Cooperative Association for Internet Data Analysis (CAIDA)
  - DatCat Internet Measurement Data Catalog
  - Internet traffic archive
  - NLANR Internet traces

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