Two SP Schedulers Available

Two schedulers are available for IBM SP systems users:

LoadLeveler, IBM's strategic scheduling system for the SP2, RISC System/6000, Hewlett Packard, Sun, and Silicon Graphics workstation environments. Fully supported by IBM, LoadLeveler has been available since March 1993. Its features include

- balancing of serial batch workload, parallel batch workload, and interactive login activity across the same or multiple SP systems; and
- provision for checkpointing and systems management capabilities.

ANL SP Scheduler, designed by Argonne National Laboratory for the IBM SP architecture as part of a cooperative research and development project between Argonne and IBM. Supported by Argonne, the ANL SP Scheduler has been running in production mode for almost a year on ANL's 128-node SP system. Its features include

- exclusive access is provided to the SP nodes the scheduler allocates for both interactive and batch use;
- a user-friendly, deterministic queuing algorithm that fills available nodes without unfairly delaying user jobs; and
- flexibility to run any size job at any time.

IBM is evaluating what features of the ANL SP Scheduler features it can incorporate into future releases of LoadLeveler. Interested customers can acquire the ANL SP Scheduler directly from Argonne via anonymous ftp at info.mcs.anl.gov.

For additional information

ANL SP Scheduler: David Lifka, lifka@mcs.anl.gov, 708-252-6175. The Scheduler Users Guide and Installation Guide is available at the following URL:
http://www.mcs.anl.gov/Projects/sp1

LoadLeveler: Joe Banas, banas@vnet.ibm.com Overviews and general information about LoadLeveler are available at the following URLs:
http://ibm.tc.cornell.edu/ibm/pps/loadl
http://www.mhpcc.edu/training/workshop/html/loadleveler/LoadLeveler.html
http://www.qpsf.edu.au/workshop/loadleveler/LoadLeveler.html