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Working on the HPC clusters is not the same as working at a desktop workstation: in order to provide high performance computing to many users simultaneously, computational work must be packaged into a job - a script specifying what resources the job will need and the commands necessary to perform the work - and submitted to the system to be run without further input from the user. The system then schedules and runs the job on a dedicated portion of the cluster. Note that there is a way to work interactively within this model, for work which cannot be scripted, such as debugging.

Job Scheduling

(more...)

Login and Compute Nodes

(more...)

Queues

(more...)

Writing a Job Script

(more...)

Submitting a Job

(more...)

Monitoring Jobs

Error rendering macro 'excerpt-include' : User 'null' does not have permission to view the page 'Interpreting pbstop'.

(more...)

Canceling a Job