Slurm

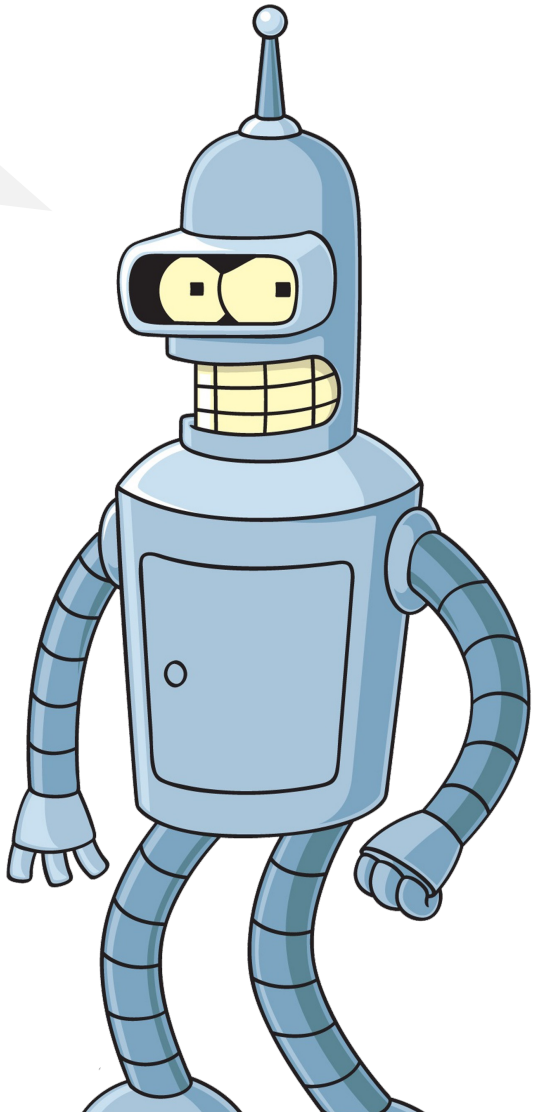
Workload Management

(Simple Linux Utility for Resource Management)

"Slurm is an open source workload management system and job scheduler. It is the users entrypoint for job scheduling on HPC systems"

This allows sharing computing resources efficiently and fairly.

It is fun to use.



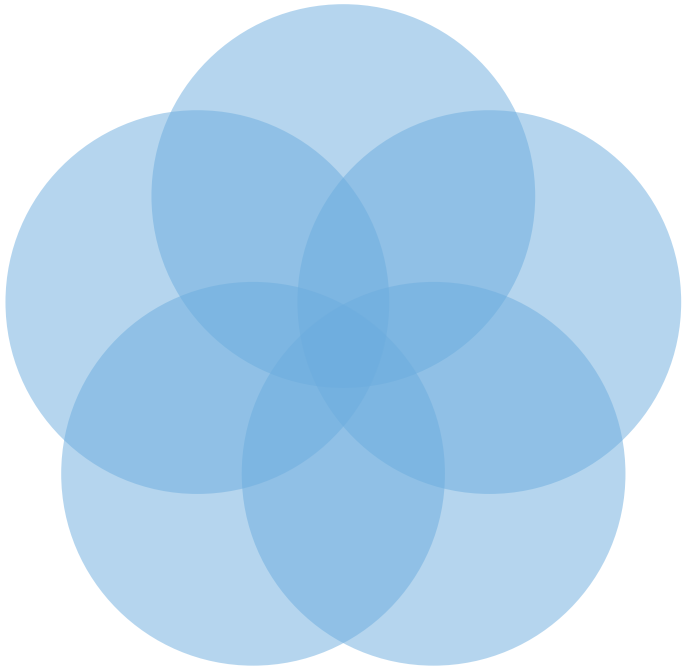
Features

Scheduling

- Run parallel jobs on the cluster
- Interactive and Batch mode

Monitoring

- Health of jobs, nodes etc.



Resource allocation

- Ensure fairness

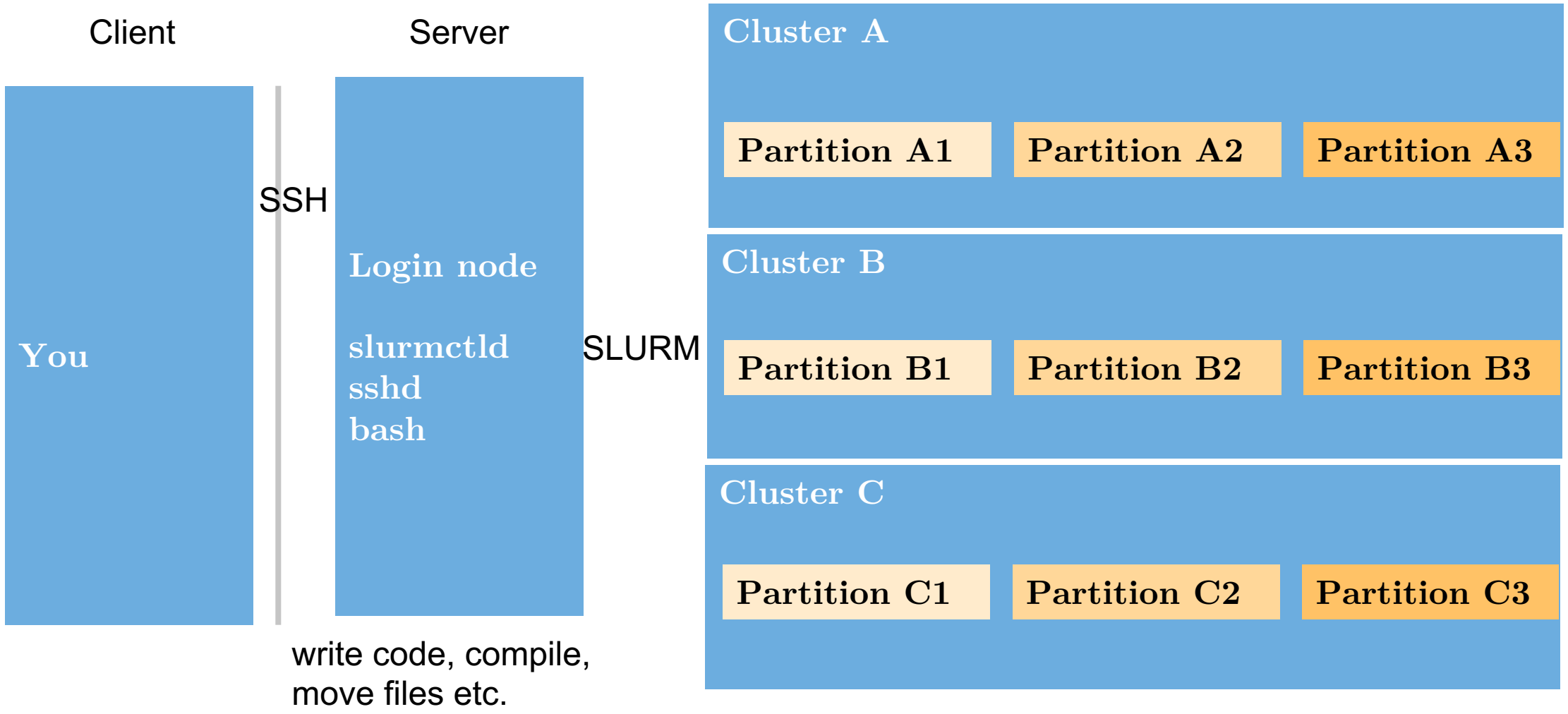
Accounting

- Quotas, charging etc.

Priority management

- Testing, QOS etc.

Minmal Cluster Architecture



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Commands