SURM FOR DUMIES





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"SLURM" (Simple Linux Utility for Resource Management)

Definitions:



- Slurm is an open source cluster management and job scheduling system for large and small Linux clusters
- Slurm requires no kernel modifications for its operation and is relatively self-contained.

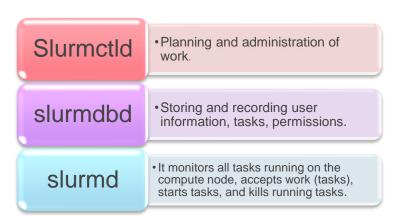
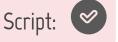




FIGURA 1. Slurm (drink) series "Futurama". Source: Taken from Google Images









```
#!/bin/bash
#SBATCH -J [jobname]
#SBATCH -t=[HH]:[MM]:[SS]
#SBATCH --mem=[MM][kb/mb/gb/tb]
#SBATCH -p [partitionNAME]
#SBATCH --mail-type=[flags (NONE, BEGIN, END, FAIL, REQUEUE, ALL)]
#SBATCH --mail-user=[user]
#SBATCH -e [rutaArchivo]
#SBATCH -o [rutaArchivo]
#SBATCH -d afterok:job_id[:jobid...]
#SBATCH --export=var1=valor[,var2=valor...]
#SBATCH -N [N]
#SBATCH --tasks-per-node=[cores]
#SBATCH --gres=gpu:[numerodeGPUs]
  plicacion y distintos pasos definidos por el usuario]
```



To send the jobs to the queue manager so that it is able to know what actions it has to perform, a file is generated specifying both the resources that are required and the actions that the user wishes to execute..

