Variables de entorno de salida en SLURM

Dentro de los script de ejecución se pueden invocar ciertas variables con las que podemos conocer cierta información de la ejecución dentro un script.

Documentación para variables de entono de slurm

Las más usadas son las siguiente:

Variable	
SLURM_ARRAY_JOB_ID	Job array's master job ID number.
SLURM_JOB_ID	The ID of the job allocation.
SLURM_JOBID	New version for the ID of the job allocation
SLURM_JOB_DEPENDENCY	Set to value of the --dependency option
SLURM_JOB_NAME	Name of the job.
SLURM_JOB_NODELIST	List of nodes allocated to the job
SLURM_JOB_NUM_NODES	Total number of nodes in the job's resource allocation
SLURM_JOB_PARTITION	Name of the partition in which the job is running
SLURM_NODELIST	List of nodes allocated to the job
SLURM_SUBMIT_DIR	The directory from which sbatch was invoked

Script para ver las variables de slurm.

Ejecutando el siguiente script usted puede ver las variables nombradas en el apartado anterior:

```
#!/bin/bash
#SBATCH -J GNUParallel -o %x-%J.out
#SBATCH --time=00:10:00
#SBATCH --mem-per-cpu=2G
#SBATCH -n 16
```

```
#SBATCH -c 4
# SBATCH --ntasks-per-node=8
#SBATCH --constrains=<node arquitecture>  # sandy, ilk (icelake)... arquitecture

date
echo "SUBMITTED ON: $SLURM_SUBMIT_HOST IP: $SLURM_LAUNCH_NODE_IPADDR DIR:
$SLURM_SUBMIT_DIR NODES ALLOCATED: $SLURM_JOB_NODELIST"
echo "RUNNING ON: $(hostname) $SLURMD_NODENAME"
echo "JOB_ID: $SLURM_JOB_ID ARRAY_JOB_ID: $SLURM_ARRAY_JOB_ID"
echo "STEP: $SLURM_STEP_ID NODEID: $SLURM_NODEID LOCALID: $SLURM_LOCALID PROCID:
$SLURM_PROCID"
echo "ARRAY_TASK_COUNT: $SLURM_ARRAY_TASK_COUNT ARRAY_TASK_ID:
$SLURM_ARRAY_TASK_ID ARRAY_TASK_MAX: $SLURM_ARRAY_TASK_MAX ARRAY_TASK_MIN:
$SLURM_ARRAY_TASK_MIN ARRAY_STEPSIZE: $SLURM_ARRAY_TASK_STEP"
echo "Args: $*"
sleep 10
```