

# Checking memory usage of a batch job using qps

## Category: Memory Usage on Pleiades

**qps** (available under /u/scicon/tools/bin) is a Perl script that securely connects via **ssh** into each node of a running job and gets process status (ps) information on each node.

### Syntax:

```
pfe20% qps jobid
```

### Example:

```
pfe20% qps 26130
```

```
*** Job 26130, User abc, Procs 1
NODE      TIME      %MEM %CPU STAT TASK
r1i0n14  10:17:13   2.8 99.9 RL  ./a.out
r1i0n14  10:17:12   2.9 99.9 RL  ./a.out
r1i0n14  10:17:18   2.9 99.9 RL  ./a.out
r1i0n14  10:16:34   2.9 99.8 RL  ./a.out
r1i0n14  10:17:11   2.9 99.9 RL  ./a.out
r1i0n14  10:17:13   2.9 99.9 RL  ./a.out
r1i0n14  10:17:12   2.9 99.9 RL  ./a.out
r1i0n14  10:17:15   2.9 99.9 RL  ./a.out
```

Note: The percentage of memory usage by a process reported by this script is the percentage of memory in *the whole node*.

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Computing at NAS -> Best Practices -> Memory Usage on Pleiades -> Checking memory usage of a batch job using qps

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