

# HPCJulia

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## 1 HPC Julia

### 1.1 UC Irvine Cluster (SGE)

Job Script

```
In [ ]: #!/bin/bash

        $$ -N jbtest
        $$ -q <Queue>
        $$ -pe mpich 128
        $$ -cwd                                # run the job out of the current directory
        $$ -m beas
        $$ -ckpt blcr
        $$ -o output/
        $$ -e output/
        module load julia/0.4.3
        julia --machinefile jbtest-pe_hostfile_mpich.$JOB_ID test.jl
```

Test function

```
In [ ]: ## Script which prints out the hostnames of the worker processes
        # Used in conjunction with a job script to ensure multi-node parallelism

        hosts = @parallel for i=1:120
            run(`hostname`) end
        println(hosts)
```

### 1.2 XSEDE Comet (Slurm)