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 directo
        #$ -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)