**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 3: Using a Cluster**

**Lesson 8: Scaling on a Cluster 2**

**Sample Assessment**

*Developed by Hyacinthe Aboudja for the Shodor Education Foundation, Inc.*



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Students will have to:

- edit a short C source code, "hello world"

- load the MPI or the OpenMPI module

- compile the source code

- Edit the job script file (based on SLURM Commands)

- request/allocate the resource (compute node on partition)

- provide job name

- Job File errors and output Name

- Job owner's information

- complete path of where the job script resides