

Hyak Fluent

Parallel Job Scripts

Ikt Job Script

Change items that are bold and red. Check items that are bold and blue and change if necessary.

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```
#!/bin/bash
## Job Name
#SBATCH --job-name=test-job
## Allocation Definition
#SBATCH --account=MYSHORTGROUP
#SBATCH --partition=MYSHORTGROUP
## Resources
## Nodes
#SBATCH --nodes=2
## Tasks per node
#SBATCH --ntasks-per-node=16
## Walltime (ten minutes)
#SBATCH --time=10:00
## Memory per node
#SBATCH --mem=58G
## Specify the working directory for this job
#SBATCH --chdir=/gscratch/MYGROUP/MYUSER/MYRUN

FLUENTNODES=`scontrol show hostnames | paste -d, -s`

module load icc_17-impi_2017
module load fluent_17

FLUENTNODES=`scontrol show hostnames | paste -d, -s`

export INTELMPI_ROOT=${HYAK_FLUENT_MPI_ROOT}

fluent 3d -pmyri -cnf=${FLUENTNODES} -t${SLURM_NTASKS} -g -i sample.jou
```

Mox Job Script

Change items that are bold and red. Check items that are bold and blue and change if necessary.

```
#!/bin/bash
## Job Name
#SBATCH --job-name=test-job
## Allocation Definition
#SBATCH --account=MYSHORTGROUP
#SBATCH --partition=MYSHORTGROUP
## Resources
## Nodes
#SBATCH --nodes=2
## Tasks per node
#SBATCH --ntasks-per-node=28
## Walltime (ten minutes)
#SBATCH --time=10:00
## Memory per node
#SBATCH --mem=120G
## Specify the working directory for this job
#SBATCH --chdir=/gscratch/MYGROUP/MYUSER/MYRUN

FLUENTNODES=`scontrol show hostnames | sed 's:~-opa:' | paste -d, -s`
module load fluent_18
module load icc_17-impi_2017
export INTELMPI_ROOT=${HYAK_FLUENT_MPI_ROOT}
fluent 3ddp -t ${SLURM_NTASKS} -cnf=${FLUENTNODES} -mpi=intel -pib.infinipath -g -i sample.jou
```