**Sample Batch script:**

#!/bin/sh

##SBATCH --partition=general-compute

#SBATCH --time=00:05:00

#SBATCH --nodes=1

#SBATCH --ntasks-per-node=1

#SBATCH --constraint=CPU-L5520

##SBATCH --mem=24000

# Memory per node specification is in MB. It is optional.

# The default limit is 3GB per core.

#SBATCH --job-name="hw1-8node"

#SBATCH --output=hw1-8-ibm.out

#SBATCH --mail-user=npaliwal@buffalo.edu

#SBATCH --mail-type=END

##SBATCH --requeue

#Specifies that the job will be requeued after a node failure.

#The default is that the job will not be requeued.

echo "SLURM\_JOBID="$SLURM\_JOBID

echo "SLURM\_JOB\_NODELIST"=$SLURM\_JOB\_NODELIST

echo "SLURM\_NNODES"=$SLURM\_NNODES

echo "SLURMTMPDIR="$SLURMTMPDIR

cd $SLURM\_SUBMIT\_DIR

echo "working directory = "$SLURM\_SUBMIT\_DIR

srun lstopo --whole-system topo-8nodes.pdf

echo "All Done!"

**Output files:**

**8 Node**

SLURM\_JOBID=436866

SLURM\_JOB\_NODELIST=d07n40s01

SLURM\_NNODES=1

SLURMTMPDIR=/scratch/436866

working directory = /ifs/user/npaliwal/hw1

All Done!

**12 Node**

SLURM\_JOBID=436825

SLURM\_JOB\_NODELIST=k08n16s02

SLURM\_NNODES=1

SLURMTMPDIR=/scratch/436825

working directory = /ifs/user/npaliwal/hw1

All Done!

**32 Node AMD**

SLURM\_JOBID=436823

SLURM\_JOB\_NODELIST=k07n28

SLURM\_NNODES=1

SLURMTMPDIR=/scratch/436823

working directory = /ifs/user/npaliwal/hw1

All Done!

**32 Node Intel**

SLURM\_JOBID=436824

SLURM\_JOB\_NODELIST=f07n13

SLURM\_NNODES=1

SLURMTMPDIR=/scratch/436824

working directory = /ifs/user/npaliwal/hw1

All Done!