Center for Turbulence Research
CTR Summer Program 2010
Technology Information

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Center for Turbulence Research
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Technology Information

- Create your SUNetID at http://sunetid.stanford.edu
- Send hardware address to ctrsp-2010@lists.stanford.edu

- Large Memory Workstations
  - Dual Quad-Core Intel Westmere-EP Processors
  - 32 GB Memory per workstation
  - 2 TB disk space
  - High Speed Graphics Adapter
  - Located in conference room on mezzanine level in Terman and CFD Lab (Bldg 500)

- Printers located in or near each major work area

- Contact ctrsp-2010@lists.stanford.edu for all support issues
  - VPN, Printer configuration, Applications, SUNetID

- Drop-in support available at CTR 101
- Web site http://ctr.stanford.edu (summer program)

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Certainty Compute Cluster

- 560 Compute Nodes
- 6-Core Intel Westmere-EP (24core/node)
- 36GB Memory/Node
- QDR Infiniband
- High Speed Parallel File System
- Intel Compilers/OSU MVAPICH

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Connect to Certainty:

$ ssh sunetid@certainty-a

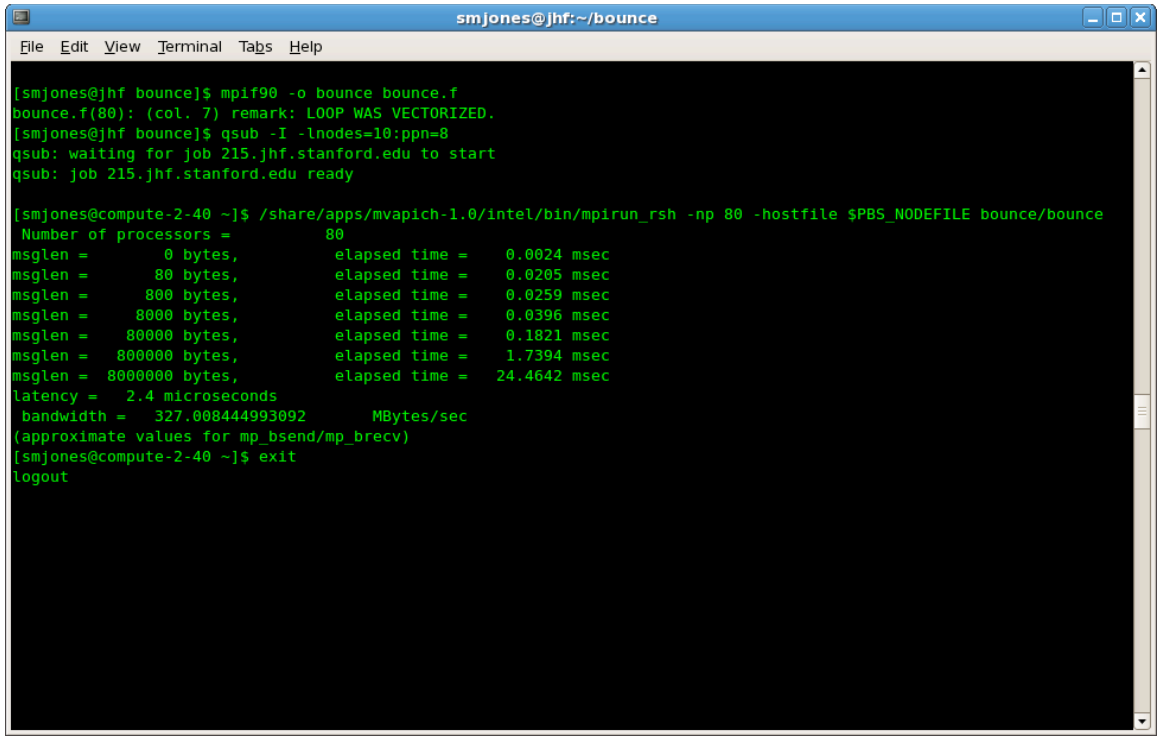
Interactive Session:

$ qsub -I

(-lnodes=[n]:ppn=[p]

Submit Job Scripts:

$ qsub job.pbs



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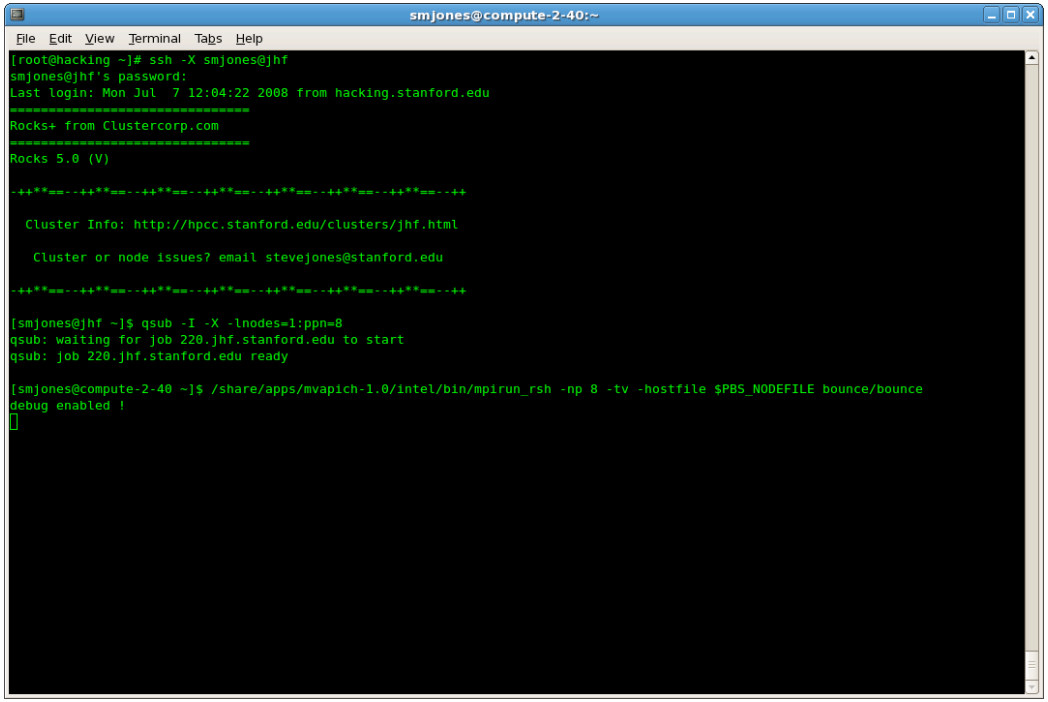
Connect to Certainty:

$ ssh -X sunetid@certainty-a

TotalView Interactive:

$ qsub -I -X

(-lnodes=[n]:ppn=[p])



Run TotalView:

$ mpirun_rsh -np [n] -tv -hostfile $PBS_NODEFILE [cmd]

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Web site http://hpcc.stanford.edu
Select HPCC Wiki from the menu bar

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Questions?

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