

Configure mpi

- `mpi-selector --user --set mvapich2_gcc_qlc-1.7`
- `export MPI_HOME=/usr/mpi/gcc/mvapich2-1.7-qlc`
- `export MPI_INCLUDE=/usr/mpi/gcc/mvapich2-1.7-qlc/include`
- `export GCC=/usr/bin/gcc`

parallel shell:

```
pdsh -w lxbrf63c0[2-7],lxbrf65c0[3-7] "
```

Latency measurement for 15 nodes. Node number 16 used as a front end machine, for mpirun. It used also to host software RAID1 NFS shared storage, and Infiniband subnet manager.

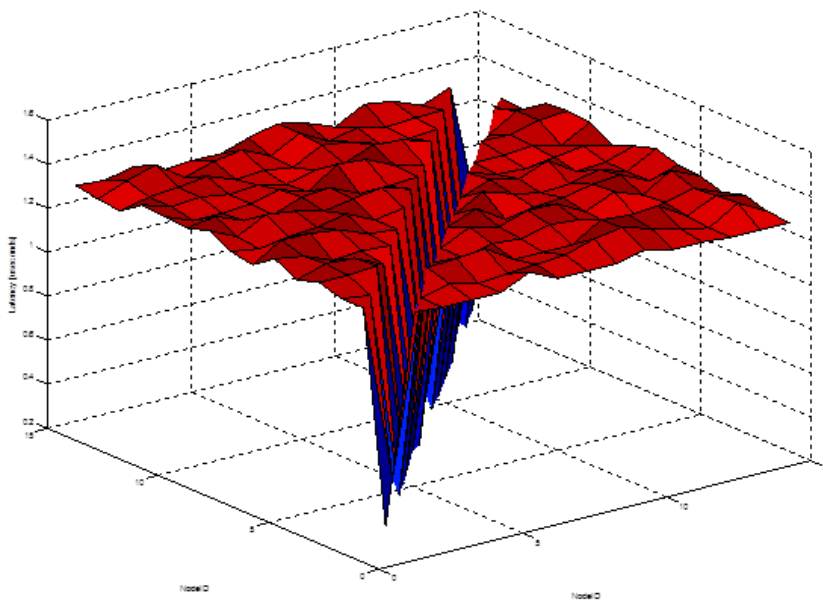
```
-bash-4.1$ mpi-selector --query
```

```
default:openmpi_gcc_qlc-1.4.3
```

```
level:user
```

osu_latency, point to point. 225 measurement points = 15 nodes * 15 nodes. Diagonal of the matrix represent measurement done inside single node MPI over shared memory.

- `techlab_inifiniband_latency_measurement_openmpi.png`:



This topic: [HardwareLabs/HardwareLabsPublic > TechLabSystemsInfiniband](#)

Topic revision: r1 - 2016-05-26 - AritzBrosalartza



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