

Luna Storage Primer

The Luna Cluster is made up of:

- luna.cbio.mskcc.org (login host): HP DL380 Gen8, one Xeon E5-2650 v2 @ 2.60GHz, 64gb RAM
- 24 Compute nodes, 400 cores total (800 threads total)
 - s01-s21: 21 HP ProLiant DL160 Gen8, dual 8 core Xeon E5-2660 0 @ 2.20GHz , 384gb RAM per node
 - t01-t02: 2 HP ProLiant DL580 Gen8, quad 8 core Xeon E7-4820 v2 @ 2.00GHz, 1.5tb RAM per node
 - nodes have 800GB at /scratch/\$USER
 - solisi (isilon array) 4.4P PBytes (NL and X)

Luna is the head node for submitting jobs to the cluster

The following directories are available:

- /home — 100GB limit – for scripts only, no huge files, frequent mirrored backup
- /ifs/work —Fast disk, less space – for ongoing projects, ~10TB per lab
- /ifs/res — Slow disk, more space – for long-term storage of sequence data
- /ifs/archive — read only – GCL fastqs
- /opt/common — binaries and popular third-party programs
- /common/data — data, genome assemblies, GTFs, etc.