

Physics Department Server: General Information

Configuration:

This machine, Dell Precision Workstation 690, has two processors, each one a Dual Core Intel Xeon Processor 5110 (1.60GHz, 4MB L2,1066); effectively giving us four processors worth of computational power. Also, all these processors are 64 bit, giving an added advantage for floating point calculations. The total memory installed is 4GB and the user space available is about 410 GB for all users total. There are two hard drives of 500GB each in the system with a failsafe software RAID level 1 (Random Array of Independent Disks) setup to protect the operating system and user files from the failure of a hard disk. We also have an external hard drive of 1.5TB; this will be used for daily incremental backup and weekly full backups. The exact backup strategy is not devised yet and work is still going on in setting up the automated backup software.

Software:

The system is currently running Red Hat Enterprise Linux version 4 Update 5; a 64 bit version of it. We have a license, with a membership for a year, that came with the system.