/scratch Quota Policy

Under this policy every account will be allocated 5 TB space on /scratch. 5 TB is going to be set as soft limit and 6 TB as hard limit with a grace period of one week. Once you reach 5 TB you will get warnings asking you to either delete or move some files to bring the space under allowed 5 TB until the grace period is expired. Once grace period is expired you won't be able to create/write new files anymore. Within the grace period it self if you reach hard limit mark, then immediately you won't be able to create/write new files anymore.

Same rule will be applied to the inode count. In this case soft and hard limits are set to 1,000,000 and 1,001,000 with a grace period of one week.

You can use the command "myquota" shown below to check your usage.

For example,

```
$ myquota
Disk quotas for user yz437 (uid 1389130):
Filesystem  kbytes  quota  limit  grace  files  quota  limit  grace
/scratch/      1376  5368709120  6442450944       -      10  1000000  1001000       -

Disk quotas for user yz437 (uid 1389130):
Filesystem  blocks  quota  limit  grace  files  quota  limit  grace
crunch.local:/export/apps  16920  5242880  5242880       988  988  988       0       0
```

There are two blocks showing space usage for /scratch and /home, respectively.

For filesystem /scratch, the space usage is given in kilo bytes. When your usage reaches the soft limit (5368709120 Bytes), you will get warnings. When your usage reaches the hard limit (6442450944 Bytes), you will no longer be able to create files. You will have a one week (1w) grace period to move or delete files before your usage is locked out.

In case you want to know, the second block is for filesystem crunch.local:/export/apps (/home). The soft limit (5242880 Bytes) is same as the hard limit (5242880 Bytes). When your usage reaches the hard limit (5242880 Bytes), you will no longer be able to create files. You will have to move

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or delete files before your usage is locked out. Since the soft limit is same as the hard limit for /home, we don’t need grace period.

Request for Temporary Bump

In case you need an extra space for short time, (e.g. 1 week) you can submit a request to the HPC Group at hpc@nyu.edu. You need to mention the reason and how much space. The default time will be 1 week. If you need longer you must explain why. If you need large bump then you will be given it for short time period. Granting a request depends on the total space availability at the time of request is made. Once the request is made the HPC manager will make a decision on it. Please use your judgement in making a request on how much space you need for how much time.

If you have any questions on this policy, then please contact us at hpc@nyu.edu.

PBS Script Generator
An interactive tool that generates PBS script based on user's input. Check this page for more details.

Front-Line HPC Consulting
HPC consultations are available once a week, Monday 1-3 PM. Appointments are required. Please make an appointment at hpc@nyu.edu.