

Pleiades Home Filesystem

Category: Pleiades

Summary: You automatically have a home directory on Pleiades, with a quota of 8-10 GB of storage. For temporary storage of larger files, use the /nobackupp file systems. For long-term storage, use the Lou mass storage systems.

The home filesystem on Pleiades is an SGI NEXIS 9000 filesystem. It is NFS-mounted on all of the Pleiades front-end systems (PFEs), bridge[1-4], and compute nodes.

Once you are granted an account on Pleiades, your home directory is set up automatically during your first login.

Quota Limits and Policy

Disk space quota limits are enforced on the home filesystem. By default, the soft limit is 8 GB and the hard limit is 10 GB. There are no inode limits on the home filesystem.

To check your quota and usage on your home filesystem, do the following:

```
%quota -v
Disk quotas for user username (uid xxxx):
  Filesystem blocks  quota  limit  grace  files  quota  limit  grace
saturn-ib1-0:/mnt/home2
                7380152  8000000 40000000          190950      0      0
```

The NAS quota policy states that if you exceed the soft quota, an email will be sent to inform you of your current usage and how much of the grace period remains. It is expected that you will occasionally exceed your soft limit; however, after 14 days, users who are still over their soft limit will have their batch queue access to Pleiades disabled. If you believe that you have a long-term need for higher quota limits on Pleiades, send an email justification to support@nas.nasa.gov. This will be reviewed by the HECC Deputy Project Manager, Bill Thigpen, for approval.

NOTE: For temporary storage of larger files, or a large number of files, use your /[nobackupp](#) directory. For normal long-term file storage, transfer your files to the [Lou mass storage systems](#).

See also: [Quota Policy on Disk Space and Files](#).

TIP: If you receive the following error when logging into Pleiades...

```
/usr/X11R6/bin/xauth:  error in locking authority file /u/username/.Xauthority
```

...you won't be able to run X applications. This error is most likely caused by your home filesystem quota being exceeded and you will have to decrease your disk usage to eliminate this error.

Backup Schedule

Files on the home filesystem are backed up daily.

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<http://www.nas.nasa.gov/hecc/support/kb/entry/227/?ajax=1>