

# DROP cluster

- Drop is:
  - drop.astron.nl
  - With 6 nodes at 8 cores each, DROP is designed for non-interactive queue-based parallel supercomputing.
- Drop is not:
  - For anything that is interactive, uses less than 8 parallel cores per job, is not queue-able, or generally takes less than a few nights to run on your desktop, you had better use one of the stand-alone servers.
  - Drop has only scratch storage. Move important data to a different server. Anything on /data/ can be deleted without notice.
  - Kindly note that this cluster comes 'as is' with no support from IT, Joeri or Jason.
  - The login node 'drop' is also the file server. Do not run jobs there, in for- or background.
- Come see Joeri for an account
- File systems
  - /export/home/<user>
    - RAID6, 20GB/user quota, nothing ever auto-deleted
  - /data (crossmounted over all nodes) = RAID0, unlimited space
    - RAID0, 5TB, no quotas
    - heaviest users will have older data auto-deleted by semi-random script, so better clear it out yourself
- Login/master/fileserver node is “drop”, nodes are called c0 to c5
- Queueing implemented to balance loads. Only use queue, do not start processing on your own.
- Cluster runs [CentOS5](#) (a version of RHEL) under [Rocks 5.1](#)

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