

# Duke Office of Information Technology

## High Performance Computing (HPC)

High performance shared computing cluster is available for use by Duke researchers.

Duke Shared Cluster Resource (DSCR) Usage Model - [The Duke Shared Cluster Resource](#) is based on a sharing-model where interested researchers purchase machines and add them to the existing cluster. Once such a purchase has been made, they then get high-priority access to their own machines as well as lower-priority access to the spare cycles on all other machines in the cluster, including machines contributed (i.e. purchased) by other researchers. In this fashion, researchers will gain the benefits of access to the larger machine without the danger of having their computational tasks overwhelmed by larger jobs. At present, we request that interested groups provide or purchase a minimum of 8 machines in order gain access to the cluster.

The University provides, free of charge, housing and systems administration for this equipment through the Office of Information Technology. In return, unused cycles are allocated to other jobs as needed, including cycles on the core cluster. Careful job scheduling is maintained to ensure that individuals always have full, unlimited access to their own machines. See the steps at the bottom of this note to apply to use the cluster.

### [DSCR Support Documentation](#)

### Application Information

Applications for use of the cluster should be submitted to [hpc-request@duke.edu](mailto:hpc-request@duke.edu)  
Information and details are located on the [Application Information Page](#).

### Contact Us

Questions about cluster software or configuration should be directed to [hpc-request@duke.edu](mailto:hpc-request@duke.edu)

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