

Duke Office of Information Technology

Machine Info

There is a "core" set of machines (owned by OIT named "core-n01" through "core-n64" that are shared by all users at all times. Other groups of machines are owned by various research groups as shown in the table below. These machines are share-able by all users unless their owners require them. I.e. the owner of a machine always has priority to use their own resources, even suspending other users' jobs if needed. The CBCB nodes (owned by CBCB/Tom Kepler) are called "cpcb-n01" through "cpcb-n32"; the Nicholas School of the Environment machines are "nsoe-n01" through "nsoe-n08", etc. The specifications of the machines are as follows:

machine name	CPU type	speed (GHz)	memory (MB)	32/64 bit	notes
cluster1 and 2	dual Intel Xeon	2.8	4096	32	compilation server
cluster3 and 4	dual Intel EM64T	3.4	4096	64	compilation server
core-n01 to 64	dual Intel Xeon	2.8	2048	32	"core" of the cluster, always shared
cpcb-n01 to 32	dual Intel Xeon	2.8	1024	32	Biostatistics, PI: Tom Kepler
nsoe-n01 to 8	dual Intel Xeon	2.8	2048	32	Nicholas School of the Environment, PI: Prasad Kasibhatla
compeb-n01 to 12	dual Intel Xeon	2.4	2048	32	Computational Electrobiolgy, PI: Craig Henriquez
compeb-n13 to 20	dual Intel Xeon	3.0	2048	32	Computational Electrobiolgy, PI: Craig Henriquez
stat-n01 to 8	dual Intel Xeon	3.1	2048	32	Statistics Dept, PI: Adrian Dobra

stat-n09 to 40	dual Intel Xeon	3.2	2048	32	Statistics Dept, PI: Adrian Dobra
bio-n001 to 100	dual Intel Xeon	3.1	3072	32	Biology Dept, PI: Francois Lutzoni
chg-n01 to 8	dual Intel Xeon	3.1	2048	32	Center for Human Genomics, PI: TBA
desc-n01 to 40	dual Intel EM64T	3.4	4096	64	ISDS, PI: Robert Wolpert
desc-n41 to 48	dual Intel EM64T	3.4	8192	64	ISDS, PI: Robert Wolpert
cee-n01 to 12	dual Intel EM64T	3.4	4096	64	Civil & Environmental Eng., PI: Roni Avissar
dcric-n01 to 12	dual Intel EM64T	3.4	4096	64	Duke Clinical Research Inst., PI: Andrew Allen
neuro-n01 to 16	dual Intel EM64T	3.4	4096	64	Neurobiology, PI: Sri Raghavachari
evogen-n01 to 04	dual Intel EM64T	3.4	8192	64	Biology: Evolution Genetics, PI: Paul Magwene
wychem-n01 to 76	dual Intel EM64T	3.6	4096	64	Chemistry: Molecular Dynamics, PI: Weitao Yang
dbchem-n01 to 36	dual Intel EM64T	3.6	4096	64	Chemistry: Molecular Dynamics, PI: David Beratan

disp-n01 to 09	dual Opteron 242	1.6	4096	64	Fitzpatrick Center: Optics, PI: David Brady
fuqua-n01 to 08	dual Opteron 250	2.4	2048	64	Fuqua School of Business: Statistical Analysis, PI: Nevin Fouts
aeroel-n01 to 08	dual Intel EM64T	3.6	4096	64	Mechanical Engineering and Materials Science: FEM, PI: Earl Dowell
sensng-n01 to 08	dual Intel EM64T	3.6	4096	64	Electrical Engineering: Computational Electromagnetics, PI: Larry Carin
opt-n01 to 8	dual AMD Opteron	2.0	2048	64	always shared, IBM SUR
cod-n001 to 042	dual Intel EM64T	3.0	512	32	cluster-on-demand nodes, always shared, IBM SUR

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