

Matrix head node and storage NAS:

Drive	Drive Size	Paths	Used for	If visible from compute nodes, via NFS	Partition Size (raw, unformatted)	Estimated use	User Quota	Backup (1/day)	Redundancy
SSD (internal to head node)	256 GB	/	OS, and: * YUM-installed applications * And other select other cluster-specific applications	no	16GB	<16GB	NA	EZ-Backup	None (single non-RAID drive)
		N/A	Swap	no	32 GB	<32 GB	N/A	None	
		/data	* Applications for researchers (/software -> /data/software) * Software source files. * Node boot image	no	200+ GB (the rest)	~110 GB	N/A	EZ-Backup	
HDD (internal to head node)	4 TB	<b>/notbackedup</b> Linked to notbackedup folder in each home directory.	<b>Temp Drive</b> - For ad hoc, on-demand temporary expansion of user's home directory. Active work space, single drive, not backed up. Users need to delete files when job is done.	yes	4 TB	Highly variable. Socially managed, since no quotas.	None	None	Hardware RAID 1, with two (2) 4TB drives
Synology NAS (external) Via iSCSI, to head node only	12 TB (expandable)	/scheraga	<b>Home directories</b> for each researcher (/scheraga/users). Only for actively used files necessary for cluster use.	yes	4 TB	2 TB	Small	EZ-Backup	RAID 6, with six (6) 4TB drives
		/storage	<b>Storage</b> for each researcher. For Scheraga work files, whether used on the cluster or not. Not for active project data - archival usage only. Not accessible from compute nodes	no	8 TB	???	Bigger, or as needed	EZ-Backup	

Also ~100 compute nodes:

Compute nodes' HDDs	Variable	/tmp on nodes	For in-process computational results	Yes	Variable	Variable	None	None	None
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