Shaheen II Supercomputer

Compute	**Node**	Processor type: Intel Haswell	2 CPU sockets per node @2.3GHz 16 processor cores per CPU
		6174 nodes	197,568 cores
		128 GB of memory per node	Over 790 TB total memory
	Power	Up to 3.5MW	Water cooled
	Weight/Size	More than 100 metrics tons	36 XC40 Compute cabinets, disk, blowers, management nodes
	Speed	7.2 Peta FLOPS peak performance	5.53 Peta FLOPS sustained LINPACK and ranked 15th in the latest Top500 list
	Network	Cray Aries interconnect with Dragonfly topology	57% of the maximum global bandwidth between the 18 groups of two cabinets
Storage	**Storage**	Sonexion 2000 Lustre appliance	17.6 Peta Bytes of usable storage Over 500 GB/s bandwidth
	Burst Buffer	**DataWarp**	**Intel Solid Sate Devices (SDD) fast data cache Over 1.5 TB/s bandwidth**
	Archive	Tiered Adaptive Storage (TAS)	Hierarchical storage with 200 TB disk cache and 20 PB of tape storage, using a spectra logic tape library (Upgradable to 100 PB)