Tri-lab PSAAP Compute Resources

(as of June 2014)

SITE	MACHINE	ARCH	OS	Nodes	Cores per Node	Total Cores	Memory per Node	Peak Tflops	Peak Gflops per Node	Network	Max Nodes / Cores per Job	Max Time per Job	MORE INFO
LANL	moonlight	Intel Xeon E5-2670 @2.6 GHz	Linux	294	16	4,704	64 GB	488	1,660	4x-QDR IB	294 / 4704	16 hr	ssl-portal.lanl.gov --> hpc.lanl.gov
		NVIDIA Tesla M2090		2 per node	1,024	353,976	-	-	-	-	-	-	ssl-portal.lanl.gov --> hpc.lanl.gov
	mapache	Intel Xeon X5550 @2.66 GHz	Linux	592	8	4,736	24 GB	50.4	84.7	4x-QDR IB	590 / 4720	16 hr	ssl-portal.lanl.gov --> hpc.lanl.gov
	mustang	AMD Opteron @2.3 GHz	Linux	1,600	24	3,840	64	353	220	4x-QDR IB	1600 / 38400	16 hr	ssl-portal.lanl.gov --> hpc.lanl.gov
	pinto	Intel Xeon E5-2670 @2.6 GHz	Linux	154	16	2,464	64	51.3	332.8	4x-QDR IB	154 / 2464	16 hr	ssl-portal.lanl.gov --> hpc.lanl.gov
	wolf	Intel Xeon E5-2670 @2.6	Linux	616	16	9,856	64	205	333	4x-QDR IB	616 / 9856	16 hr	ssl-portal.lanl.gov --> hpc.lanl.gov
LLNL	cab	Intel Xeon E5-2670 @2.6 GHz	Linux	1,296	16	20,736	32 GB	431.3	332.8	4x-DDR IB	258 / 4128	16 hr weekday 24 hr weekend	https://computing.llnl.gov/resources
	vulcan	IBM BG/Q PowerPC A2 @1.6 GHz	micro/CNK	24,576	16	393,216	16 GB	5,000 (5 Pflop)	204.8	5D Torus	8,192 / 131,072	12 hr	https://computing.llnl.gov/resources
SNL	chama	Intel Xeon E5-2670 @2.6 GHz	Linux	1,232	16	19,712	32 GB	410	332.8	4x-DDR IB	1158 / 18,528	96 hr	https://computing.sandia.gov/platforms/ (requires authentication)
	glory	AMD Opteron @2.2 GHz	Linux	288	16	4,608	32 GB	40.6	141	4x-DDR IB	256 / 4096	96 hr	https://computing.sandia.gov/platforms/ (requires authentication)
	red mesa	Intel Xeon X5570 @ 2.93 GHz	Linux	1,832	8	14,656	12 GB	180	98	Mellanox QDR IB	tba	tba	https://computing.sandia.gov/platforms/ (requires authentication)
SNL testbed / non-production systems	compton	Intel E5-2670 @ 2.6 GHz	Linux	42	16	672	tba	tba	tba	Mellanox QDR IB	n/a	n/a	http://www.sandia.gov/asc/computational_systems/HAAPS.html
		Intel Phi MIC 57-core @ 1.1 GHz		2 per node	114	4,788	-	-	-	-	-	-	
	curie	AMD Opteron 6272 @ 2.1 GHz	Linux	52	16	832	tba	tba	tba	Cray Gemini	n/a	n/a	http://www.sandia.gov/asc/computational_systems/HAAPS.html
		NVIDIA K20X @732 MHz		2 per node	5,376	259,584	-	-	-	-	-	-	
	shannon	Intel Xeon E5-2670 @ 2.6 GHz	Linux	32	16	512	tba	tba	tba	Mellanox QDR IB	n/a	n/a	http://www.sandia.gov/asc/computational_systems/HAAPS.html
		NVIDIA K20X @732 MHz		2 per node	5,376	172,032	-	-	-	-	-	-	
	teller	AMD A10-5800K @ 3.8GHz	Linux	104	4	408	tba	tba	tba	Qlogic QDR IB	n/a	n/a	http://www.sandia.gov/asc/computational_systems/HAAPS.html
		Radeon HD-7660D @ 800 MHz		1 per node	384	39,936	-	-	-	-	-	-	
	volta	Intel Xeon E5-2695 @ 2.4 GHz	Linux	56	24	1,344	tba	tba	tba	Cray Aries	n/a	n/a	http://www.sandia.gov/asc/computational_systems/HAAPS.html

Contact information: blaiseb@llnl.gov