SMP SERVERS

Server CPU Resources available to SMP
Server GPU Resources available to SMP
Server Xeon Phi Resources available to SMP

Owner	Machine	Make	Type	OS	Location	Nodes	CPUs/Node	Cores/CPU	Total Cores	HT On/Off	CPU type	CPU Year	CPU Ghz	CPU L2	CPU L3	CPU QPI	RAM GB	RAM Mhz	RAM GB/core	Local Disk GB	Network	co-PU Type	co-PU/node	Total co-PUs
SMP	**smp-comp01**	DELL	Blade Poweredge M610	CentOS 6	Science	1	2	6	12	ON	Intel X5690 Westmere-EP (32 nm)	2011	3.47	6x256KB	12MB	2 x 6.4	96	?	8					
SMP	**smp-comp02**	DELL	Blade Poweredge M610	CentOS 6	Science	1	2	6	12	ON	Intel X5690 Westmere-EP (32 nm)	2011	3.47	6x256KB	12MB	2 x 6.4	96	?	8					
SMP	**smp-comp03**	DELL	Blade Poweredge M610	Ubuntu 14	Science	1	2	6	12	ON	Intel X5690 Westmere-EP (32 nm)	2011	3.47	6x256KB	12MB	2 x 6.4	96	?	8					
SMP	**smp-comp04**	DELL	Blade Poweredge M610	CentOS 6	Science	1	2	6	12	ON	Intel X5690 Westmere-EP (32 nm)	2011	3.47	6x256KB	12MB	2 x 6.4	96	?	8					
SMP	**smp-comp05**	DELL	Poweredge R720	Ubuntu 14	Science	1	2	6	12	ON	Intel E5-2667 Sandy Bridge (32nm)	2012	2.90	6x256KB	15MB	2 x 8.0	256	?	21.333333333					
SMP	**smp-comp06**	DELL	Poweredge R720	CentOS 6	Science	1	2	6	12	ON	Intel E5-2667 Sandy Bridge (32nm)	2012	2.90	6x256KB	15MB	2 x 8.0	256	?	21.333333333					
								TOTAL CORES =	72															
SMP	**uqscicomp01.qern.qcif.edu.au**	?	Qcloud Windows Compute		Science																			
SMP	**smp-ts01.smp.uq.edu.au**	?	Windows Remote Desktop		Science																			
	ghost (gpuhpc)																							
ASTRO	**ghost (gpuhpc)**	XENON	NITRO T5 Tesla	?	Parnell	7	2	6	84	?	Intel X5650 Westmere-EP (32 nm)	2010	2.66	6x256KB	12MB	2 x 6.4	24	1333	2	2000		Nvidia Tesla C1060	4	28
ASTRO	**ghost (gpuhpc)**	XENON	NITRO T5 Tesla	?	Parnell	3	2	6	36	?	Intel X5650 Westmere-EP (32 nm)	2010	2.66	6x256KB	12MB	2 x 6.4	24	1333	2	2000		Nvidia Tesla C1060	2	6
								TOTAL CORES =	120														Total GPUs =	34
	asterix (smp-gpu01)																							
SMP	**master**	XENON	Radon Duo R1450 3U	Rocks 6	Parnell	1	2	4	8	ON	Intel X5620 Westmere-EP (32 nm)	2010	2.40	4x256KB	12MB	2 x 5.86	24	1066	3	500				
SMP	**2050.q**	XENON	Nitro G5 1U GPU Server	Rocks 6	Parnell	5	2	4	40	ON	Intel X5620 Westmere-EP (32 nm)	2010	2.40	4x256KB	12MB	2 x 5.86	24	1066	3	500		Nvidia Tesla C2050	2	10
SMP	**2050.q**	XENON	Nitro G5 + NVIDIA Tesla S2050	Rocks 6	Parnell	5	2	4	40	ON	Intel X5620 Westmere-EP (32 nm)	2010	2.40	4x256KB	12MB	2 x 5.86	48	1066	6	500		Nvidia Tesla C2050	4	20
SMP	**2070.q**	XENON	Nitro G5 1U GPU Server	Rocks 6	Parnell	4	2	4	32	ON	Intel X5620 Westmere-EP (32 nm)	2010	2.40	4x256KB	12MB	2 x 5.86	24	1066	3	500		Nvidia Tesla C2070	2	8
SMP	**mem96.q**	XENON	Nitro G5 1U GPU Server	Rocks 6	Parnell	1	2	4	8	ON	Intel X5620 Westmere-EP (32 nm)	2010	2.40	4x256KB	12MB	2 x 5.86	96	1066	12	500		Nvidia Tesla C2070	2	2
	all.q							TOTAL CORES =	120														Total GPUs =	40
	obelix (smp-cluster1)																							
SMP	**master**	DELL	PowerEdge R620 Head Node	Rocks 6	Parnell	1	2	8	16	ON	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	192	1600	12	2000	1GbE			
SMP	**file01 (disk NFS)**	DELL	PowerEdge R720	Rocks 6	Parnell	1	2	8	16	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	64	1600	4	1000	1GbE			
QAO	**brom.q / low.q**	DELL	PowerEdge C6220 (4 nodes each)	Rocks 6	Parnell	9	2	8	144	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	192	1600	12	1000	1GbE			
QAO	**kkrun.q / low.q**	DELL	PowerEdge C6220 (4 nodes each)	Rocks 6	Parnell	8	2	8	128	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	192	1600	12	1000	1GbE			
EQUS	**equs.q / low.q**	DELL	PowerEdge C6220 (4 nodes each)	Rocks 6	Parnell	9	2	8	144	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	192	1600	12	1000	1GbE			
ASTRO	**parko.q / low.q**	DELL	PowerEdge C6220 (4 nodes each)	Rocks 6	Parnell	2	2	8	32	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	192	1600	12	1000	1GbE			
SMP	**low.q**	DELL	PowerEdge C6220 (4 nodes each)	Rocks 6	Prentice	8	2	8	128	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	192	1600	12	1000	1GbE			
	total low.q				nodes=	36		low.q CORES =	576															
SMP	**phi.q / low1.q**	DELL	PowerEdge C8220 (1 node each)	Rocks 6	Prentice	4	2	10	80	OFF	Intel E5-2660v2 Ivy Bridge (22nm)	2013	2.2	10x256KB	25MB	2 x 8.0	256	1600	12.8			Intel Xeon Phi 7120P	2	8
SMP	**phi.q / low1.q**	DELL	PowerEdge C8220 (1 node each)	Rocks 6	Prentice	1	2	10	20	OFF	Intel E5-2660v2 Ivy Bridge (22nm)	2013	2.2	10x256KB	25MB	2 x 8.0	256	1600	12.8			Intel Xeon Phi 7120P	1	1
SMP	**parko1.q / phi.q / low1.q**	DELL	PowerEdge C8220 (1 node each)	Rocks 6	Prentice	1	2	10	20	OFF	Intel E5-2660v2 Ivy Bridge (22nm)	2013	2.2	10x256KB	25MB	2 x 8.0	256	1600	12.8			Intel Xeon Phi 7120P	2	2
																							Total Phi =	11
SMP	**nvidia.q / low1.q**	DELL	PowerEdge C8220 (1 node each)	Rocks 6	Prentice	3	2	10	60	OFF	Intel E5-2660v2 Ivy Bridge (22nm)	2013	2.2	10x256KB	25MB	2 x 8.0	256	1600	12.8			Nvidia Tesla K20	2	6
																							Total GPUs =	6
SMP	**parko1.q / low1.q**	DELL	PowerEdge C8220 (1 node each)	Rocks 6	Prentice	2	2	10	40	OFF	Intel E5-2660v2 Ivy Bridge (22nm)	2013	2.2	10x256KB	25MB	2 x 8.0	256	1600	12.8					
	total low1.q				nodes=	11		low1.q CORES =	220															
SMP	**small.q / math.q**	DELL	PowerEdge R720	Rocks 6	Parnell	1	2	8	16	OFF	Intel E5-2660 Sandy Bridge (32nm)	2012	2.2	8x256KB	20MB	2 x 8.0	64	1600	4	1000	1GbE			
QAO	**kanuka.q**	DELL	Rack	Rocks 6	Parnell	1	2	12	24	N/A	AMD Opteron 6172 Magny-Cours (45 nm)	2010	2.10	12x512KB	2x6MB		128		5.3333333333	15000				
QAO	**maui.q**	DELL	Rack	Rocks 6	Parnell	10	2	4	80	N/A	AMD Opteron 2358SE Barcelona (65 nm)	2008	2.40	4x512KB	2MB		16		2					
McCulloch	**tensor.q**	DELL	Rack	Rocks 6	Parnell	4	2	4	32	N/A	AMD Opteron 2356 Barcelona (65 nm)	2008	2.30	4x512KB	2MB		32		4					
								AMD CORES =	112															
								TOTAL OBELIX CORES =	924															