Monthly Reporting

Report from 01 April 2022 to 30 April 2022

Report for Resource Pool Archer2 on archer2

A total of 4,210,560 CUs were available during this period.

Use and Allocations (by Project)

In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend profile of the total Allocation. If the usage for a project is not linear across the full Allocation period the the Use can be larger than the extrapolated Allocation.

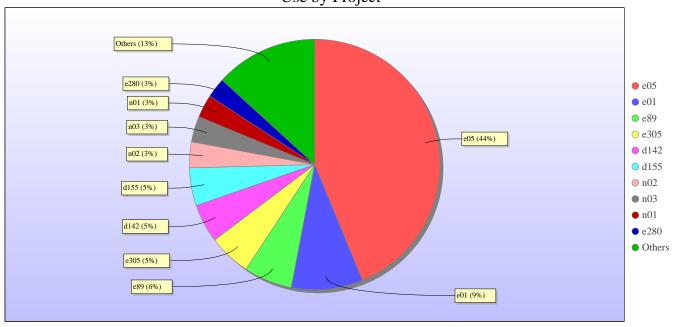
Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
•	Class	of Jobs	CUs	Utilisation			CUs	
e683	Pioneer	0	0.0	0.00%	0.0	0.00%	13,793.2	0.339
	Projects							
e685	Pioneer	1,187	10,182.7	0.24%	21,555.9	0.51%	20,391.4	0.489
	Projects							
e686	Pioneer	63	8,807.5	0.21%	8,807.5	0.21%	18,236.2	0.439
	Projects							
e687	Pioneer	442	2,967.9	0.07%	2,967.9	0.07%	16,280.0	0.39
	Projects			2.122/		0.100/	21.222.1	
e688	Pioneer	377	5,324.3	0.13%	5,361.6	0.13%	21,966.4	0.529
-000	Projects	44	40.054.0	0.440/	40,000,0	0.440/	25 205 0	0.000
e689	Pioneer	41	18,651.9	0.44%	18,663.2	0.44%	25,365.0	0.60
2000	Projects	227	11 020 1	0.000/	12.027.4	0.220/	24,867.6	0.599
e690	Pioneer Projects	337	11,929.1	0.28%	13,937.4	0.33%	24,867.6	0.595
e691	Pioneer	8	7,466.6	0.18%	7,466.6	0.18%	25,353.0	0.609
6091	Projects	٥	7,400.0	0.10%	7,400.0	0.10%	25,555.0	0.60
e692	Pioneer	29	13,705.6	0.33%	13,705.6	0.33%	19,138.1	0.459
6032	Projects	23	13,703.0	0.5576	13,703.0	0.5576	19,130.1	0.43
e693	Pioneer	16	899.3	0.02%	899.3	0.02%	16,578.4	0.399
	Projects	. 9	000.0	0.0270	555.5	0.0270	. 5,5. 5	0.00
E635	Class1a	958	4,963.8	0.12%	4,986.6	0.12%	3,263.5	0.089
c01	Class1a	799	7,626.4	0.18%	9,239.2		30,626.9	0.739
e348	Class1a	133	167.5	0.00%	167.5	0.00%	4,501.0	
e569	Class1a	11	7,943.2	0.19%	7,943.2	0.19%	2,712.9	0.069
e572	Class1a	1,307	2,153.1	0.05%	4,215.3	0.10%	2,038.5	0.05
e575	Class1a	36	143.6	0.00%	143.6	0.00%	3,261.6	0.089
e607	Class1a	189	10,581.2	0.25%	12,719.3	0.30%	9,641.0	0.239
e609	Class1a	662	3,612.1	0.09%	3,633.1	0.09%	3,169.0	0.089
e630	Class1a	0	0.0	0.00%	0.0	0.00%	19,256.5	
e637	Class1a	0	0.0	0.00%	0.0	0.00%	1,721.0	
e642	Class1a	0	0.0	0.00%	0.0	0.00%	4,760.2	0.119
e643	Class1a	243	2,677.4	0.06%	2,682.1	0.06%	6,508.6	0.159
e645	Class1a	367	559.4	0.01%	559.4	0.01%	2,604.3	
e647	Class1a	396	873.3	0.02%	873.3	0.02%	2,577.3	0.069
e649	Class1a	52	339.9	0.01%	7,494.3	0.18%	3,728.6	
e651	Class1a	0	0.0	0.00%	0.0	0.00%	1,323.1	
e655	Class1a	136	1,655.0		2,401.0		3,062.8	
e663	Class1a	269	2,303.5	0.05%	2,332.3	0.06%	3,263.5	
e664	Class1a	0	0.0	0.00%	0.0	0.00%	870.3	
e667	Class1a	200	201.1	0.00%	201.1	0.00%	2,133.0	
e681	Class1a	0	0.0	0.00%	0.0		2,403.9	
e682	Class1a	5	0.6	0.00%	0.6	0.00%	7,329.3	0.179

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e684	Class1a	59	15.5		15.5	0.00%	2,026.9	0.05%
e694	Class1a	121	4,722.7	0.11%	4,728.1	0.11%	2,788.0	0.07%
e696	Class1a	0	0.0		0.0	0.00%	149.6	0.00%
e697	Class1a	89	23.9		28,033.9	0.67%	8,634.5	0.21%
e700	Class1a	122	14.3		41.2	0.00%	3,282.5	0.08%
e701	Class1a	62	10,732.0		10,732.0	0.25%	1,820.7	0.04%
e702	Class1a	0	0.0		0.0	0.00%	973.8	0.02%
e706	Class1a	0	0.0		0.0	0.00%	497.4	0.01%
e707	Class1a	56	8,499.8		8,499.8	0.20%	9,834.2	0.23%
e708	Class1a	0	0.0		0.0	0.00%	3,913.9	
e710	Class1a	7	0.0	0.00%	0.1	0.00%	1,957.0	0.05%
e712	Class1a	0	0.0	0.00%	0.0	0.00%	16,578.4	0.39%
e720	Class1a	178	8,458.8	0.20%	8,458.8	0.20%	7,049.1	0.17%
e721	Class1a	0	0.0	0.00%	0.0	0.00%	2,163.9	0.05%
e723	Class1a	235	5,631.9	0.13%	5,631.9	0.13%	19,679.2	0.47%
e724	Class1a	0	0.0	0.00%	0.0	0.00%	11,303.8	0.27%
e728	Class1a	106	3,141.8	0.07%	3,141.8	0.07%	2,316.1	0.06%
e738	Class1a	0	0.0	0.00%	0.0	0.00%	4,655.2	0.11%
e752	Class1a	0	0.0		0.0	0.00%	3,442.6	0.08%
e6337	Class1a	2	155.0		155.0	0.00%	3,757.0	0.09%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	978.5	0.02%
e01	Consortia	2,419	249,841.0		359,191.8	8.53%	222,180.4	5.28%
e05	Consortia	27,410	721,031.7		1,703,872.3	40.47%	703,571.6	16.71%
e89	Consortia	25,195	225,316.2		243,123.5	5.77%	333,270.6	7.92%
e280	Consortia	3,327	93,667.6		100,400.5	2.38%	148,120.6	3.52%
e281	Consortia	1,257	56,466.9		56,966.3	1.35%	75,734.8	
e283	Consortia	2,851	26,194.2		26,651.2	0.63%	37,030.3	
e305	Consortia	2,241	206,974.8		213,277.6		111,090.2	2.64%
e585	Consortia	1,116	27,041.9		28,839.2	0.68%	111,090.2	2.64%
e704	Pump Priming	30	68.4		68.4	0.00%	70.2	0.00%
e718	Pump Priming	56	3.5		3.5	0.00%	62.5	0.00%
e722	Pump Priming	0	0.0		0.0	0.00%	83.5	0.00%
e725	Pump Priming	0	0.0		0.0	0.00%	132.6	0.00%
e726	Pump Priming	0	0.0		0.0	0.00%	132.6	0.00%
e727	Pump Priming	296	2,197.6		2,232.3	0.05%	3,181.0	0.08%
e729	Pump Priming	0	0.0		0.0	0.00%	87.7	0.00%
e737	Pump Priming	132	0.0		1,313.4	0.03%	112.7	0.00%
e741	Pump Priming	14	6.1	0.00%	6.1	0.00%	132.6	0.00%
e749	Pump Priming	0	0.0		0.0	0.00%	560.2	0.00%
e749	Pump Priming	1	3.4		3.4	0.00%	548.9	
e750		52	66.1	0.00%	66.1	0.00%	655.7	0.01%
ta021	Training	0	0.0		0.0		61.9	0.00%
ta026 ta027	Training Training	0	0.0		0.0 4.4	0.00% 0.00%	61.5 82.2	0.00% 0.00%
		104	4.4					
ta037	Training	0	0.0		0.0	0.00%	61.6	
ta038	Training	0	0.0		0.0		61.6	
ta052	Training	1	0.0		0.0	0.00%	494.9	0.01%
	Access to HPC	0	0.0		0.0	0.00%	4,084.9	0.10%
	Access to HPC	6	0.3		0.3		5,161.8	
	Access to HPC	0	0.0		0.0	0.00%	7,161.9	
	Access to HPC	5	0.1		0.1	0.00%	4,827.6	0.11%
	Access to HPC	75	446.8		446.8	0.01%	3,228.6	0.08%
	Access to HPC	79	2,853.6		2,853.6		10,066.4	0.24%
	Access to HPC	416	7,217.4		7,217.4	0.17%	3,341.1	0.08%
	Access to HPC	0	0.0		0.0	0.00%	7.0	0.00%
	Access to HPC	0	0.0		0.0		795.8	
	Access to HPC	0	0.0		0.0	0.00%	4,774.6	0.11%
	Access to HPC	0	0.0		0.0	0.00%	6,764.0	0.16%
	Access to HPC	1	0.0		0.0		3,657.4	
	Access to HPC	1,506	4,364.1		4,370.8	0.10%	4,774.6	0.11%
	Access to HPC	57	1,467.2		1,469.8	0.03%	8,289.2	0.20%
e732	Access to HPC	22	404.9	0.01%	404.9	0.01%	4,973.5	0.12%
				0.00%	0.0	0.00%		0.08%

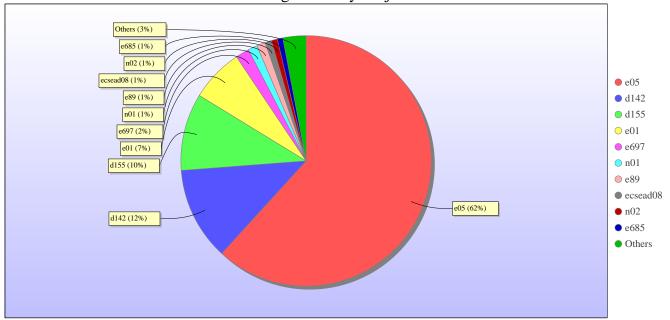
Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
	Access to HPC	229	6,824.2	0.16%	6,869.1	0.16%	10,003.5	
	Access to HPC	0	0.0	0.00%	0.0		7,734.8	
	Access to HPC Access to HPC	142 73	0.0 3,053.7	0.00% 0.07%	8,509.3 3,053.7	0.20% 0.07%	11,936.4 1,141.6	0.28% 0.03%
	Access to HPC	1	0.0	0.07%	0.0	0.07%	8,056.2	0.03%
	Access to HPC	45	0.0	0.00%	4,590.7	0.00%	2,974.6	
	Access to HPC	20	0.1	0.00%	0.1	0.00%	6,301.4	0.15%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	14,853.4	0.35%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	42,806.6	
e748	Access to HPC	0	0.0	0.00%	0.0	0.00%	16,308.0	0.39%
EPSRC Total		78,479	1,802,648.2	42.81%	2,998,201.7	71.21%	2,376,409.1	56.44%
n01	Consortia	3,665	96,706.6		115,528.9	2.74%	145,150.7	3.45%
n02		27,198	117,779.5		129,964.5	3.09%	517,561.6	
n03	Consortia	1,690	129,177.4	3.07%	129,303.9	3.07%	161,095.9	
NERC Total b19	Class1a	32,553 0	343,663.5 0.0	8.16% 0.00%	374,797.4 0.0	8.90% 0.00%	823,808.2 1,362.1	19.57% 0.03%
e621	Class1a Class1a	0	0.0	0.00%	0.0	0.00%	2,086.5	0.05%
BBSRC Total	Classia	0	0.0	0.00%	0.0	0.00%	3,448.6	0.08%
pr1u1555	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	616.9	0.01%
pr1u1653	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	5,566.0	0.13%
pr1u1654	DECI: EXEC	10	287.5	0.01%	287.5	0.01%	653.3	0.02%
pr1u1657	DECI: EXEC	5	480.1	0.01%	480.1	0.01%	515.0	0.01%
pr1u1659		104	125.6	0.00%	125.6	0.00%	1,530.7	0.04%
pr1u1751	DECI: EXEC	371	307.3	0.01%	307.3		1,569.3	0.04%
pr1u1752	DECI: EXEC	9	2,859.7	0.07%	2,859.7	0.07%	1,864.9	0.04%
pr1u1753		30	20,068.7	0.48%	20,068.7	0.48%	3,809.3	0.09%
pr1u1754		0	0.0	0.00%	0.0	0.00%	2,564.3	
pr1u1755 pr1u1756	DECI: EXEC DECI: EXEC	0 21	0.0 1,022.0	0.00% 0.02%	0.0 1,022.0	0.00% 0.02%	1,678.4 3,957.1	0.04% 0.09%
pr1u1757	DECI: EXEC	0	0.0	0.02%	0.0	0.02 %	887.2	0.09%
pr1u1758		84	5,251.8		5,251.8		692.4	0.02%
pr1u1759		13	278.8	0.01%	278.8	0.01%	1,491.0	0.04%
pr1u1760		0	0.0	0.00%	0.0	0.00%	559.5	0.01%
pr1u1702		37	598.2	0.01%	598.2		1,647.8	0.04%
pr1u1707	DECI: HOME	49	983.8	0.02%	983.8	0.02%	1,427.8	0.03%
pr1ush02		277	245.2		245.2	0.01%	110.1	0.00%
pr1ushpc	DECI: HOME	5	0.0	0.00%	0.0	0.00%	80.2	0.00%
PRACE Total		1,015	32,508.8	0.77%	32,508.8	0.77%	31,221.4	0.74%
ecseaa11	eCSE	4	8.8	0.00%	8.8	0.00%	76.1	0.00%
ecseaa19 ecseaa26		0 2	0.0	0.00% 0.00%	0.0 139.7	0.00% 0.00%	99.6 122.4	
ecseab02		117	92.6		98.2		90.0	
ecseab02		0	0.0		0.0		145.5	
ecseab06		66	96.7	0.00%	97.2		9.9	
ecseab11		31	1.3		1.3		18.4	
ecseab12	eCSE	0	0.0	0.00%	0.0	0.00%	99.8	
ecseab13		10	0.0		0.0		36.1	0.00%
ecseac02		0	0.0	0.00%	0.0	0.00%	55.0	0.00%
ecseac04		0	0.0	0.00%	0.0	0.00%	98.2	0.00%
ecseac05		85 121	303.5 40.4		303.5 40.4	0.01% 0.00%	61.9 76.2	
ecseac06 ecseac10		0	0.0	0.00% 0.00%	0.0		109.4	0.00% 0.00%
ecseac10		0	0.0	0.00%	0.0		81.5	
ecseac14		0	0.0	0.00%	0.0	0.00%	63.2	
ecsead01	eCSE	0	0.0	0.00%	0.0	0.00%	95.1	0.00%
ecsead05		0	0.0		0.0		90.6	
ecsead06	eCSE	81	55.7	0.00%	55.7	0.00%	71.5	0.00%
ecsead07		0	0.0	0.00%	0.0	0.00%	58.5	0.00%
ecsead08		113	1.7	0.00%	13,473.8		75.5	
eCSE Total		630	600.6		14,218.5		1,634.4	0.04%
d35		15	0.2		0.2		89.8	
d56		648	12,615.3	0.30%	12,653.7	0.30%	6,793.8	
d114	Research	486	8,494.1	0.20%	8,554.2	0.20%	15,187.0	0.36%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
d118	Research	12	9.7	0.00%	9.7	0.00%	767.1	0.02%
d137	Research	9	2.1	0.00%	2.1	0.00%	1,627.4	0.04%
d142	Research	78	2,101.0	0.05%	193,345.4		1,854.1	0.04%
d155	Research	5,835	31,810.2	0.76%	190,321.0		8,734.2	0.21%
d170	Research	126	57.6	0.00%	57.6		75.0	0.00%
d175	Research	34	438.2	0.01%	438.2		1,368.4	0.03%
d179	Research	38	721.8	0.02%	587.8		3,315.7	0.08%
d182	Research	0	0.0	0.00%	0.0		1,501.6	0.04%
d429	Research	170	1,869.4	0.04%	1,869.4		6,818.2	0.16%
dc129	Research	10,203	1,867.8	0.04%	1,867.8	0.04%	1,643.8	0.04%
d105	Industrial	0	0.0	0.00%	0.0		3,030.9	0.07%
d181	Industrial	0	0.0	0.00%	0.0	0.00%	1,232.9	0.03%
d432	Industrial	19	230.9	0.01%	230.9	0.01%	1,206.1	0.03%
d433	Industrial	26	8.2	0.00%	8.2	0.00%	75.8	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	5.2	0.00%
i18	Industrial	10	30.2	0.00%	30.2	0.00%	2,275.3	0.05%
i21	Industrial	0	0.0	0.00%	0.0		16,324.4	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	37.7	0.00%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	495.4	0.01%
i239	Industrial	41	215.0	0.01%	215.0		800.0	0.02%
i241	Industrial	52	8,586.9	0.20%	8,586.9		1,709.6	0.04%
ic062	Industrial	0	0.0	0.00%	0.0		26.5	0.00%
d176	Training	317	13.3	0.00%	13.3		30.5	0.00%
d180	Training	6,363	555.8	0.01%	555.8		318.3	0.01%
ta046	Training	52	0.3	0.00%	0.3		30.9	0.00%
ta047	Training	0	0.0	0.00%	0.0		30.9	0.00%
ta053	Training	0	0.0	0.00%	0.0		32.5	0.00%
ta056	Training	0	0.0	0.00%	0.0		20.9	0.00%
ta057	Training	0	0.0	0.00%	0.0		45.5	0.00%
ta058	Training	53	1.9	0.00%	1.9		49.2	0.00%
ta059	Training	113	3.7	0.00%	53.0		32.6	0.00%
ta060	Training	0	0.0	0.00%	0.0		3.2	0.00%
ta061	Training	218	20.0	0.00%	15.7		417.0	0.01%
ta062	Training	105	4.2	0.00%	3.4		39.5	0.00%
ta063	Training	0	0.0	0.00%	0.0		39.5	0.00%
ta064	Training	79	60.7	0.00%	49.3		213.3	0.01%
ta065	Training	62	0.5	0.00%	0.5		44.1	0.00%
ta066	Training	0	0.0	0.00%	0.0		41.7	0.00%
y02	Service	152	1.7	0.00%	1.7		46.2	0.00%
y23	Service	0	0.0	0.00%	0.0		53.8	0.00%
z19	Service	6,779	52,760.8	1.25%	53,587.2		16,393.4	0.39%
z99	Service	0,779	0.0		0.0		0.5	
d177	UoE Access	0	0.0		0.0		82.2	
DirectorsTime	00L A00033	32,095	122,481.7	2.91%	473,060.5		94,961.8	2.26%
Total							·	
y07	Service	0	0.0	0.00%	0.0		821.9	0.02%
z01	Service	5	0.4	0.00%	0.4		821.9	0.02%
z02	Service	1	1.0	0.00%	1.0		361.0	0.01%
CSE Total		6	1.4	0.00%	1.4		2,004.8	
Total		144,778	2,301,904.1	54.67%	3,892,788.2	92.45%	3,333,488.3	79.17%

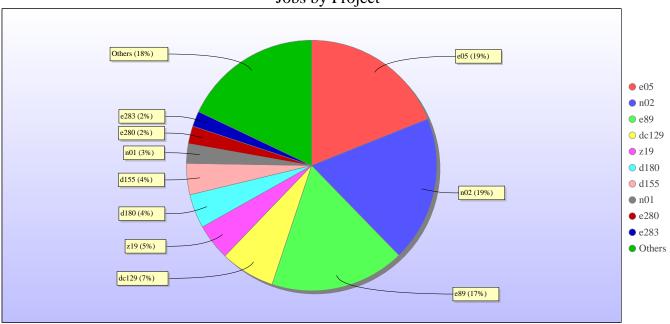
Use by Project







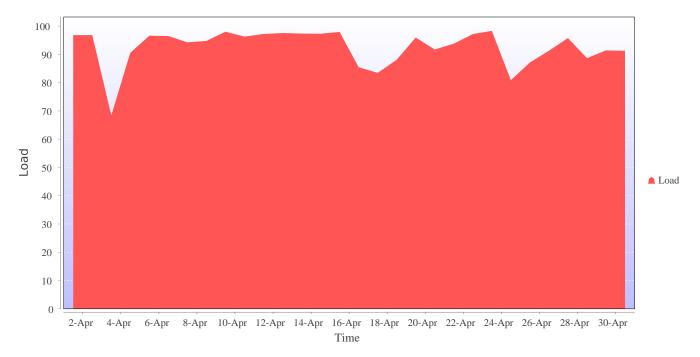
Jobs by Project



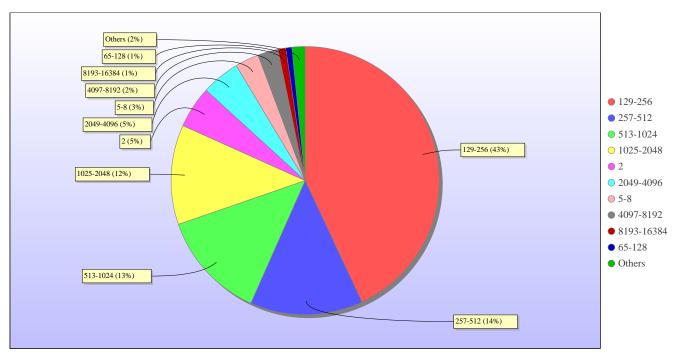
CUs (by Size)

Size	CUs	Number of Jobs
1	0	183
2	0	7,306
3-4	0	17
5-8	0	4,150
9-16	0	178
17-32	0	365
33-64	0	156
65-128	0	1,046
129-256	147,191.37	
257-512		
513-1024	230,359.096	18,926
1025-2048	379,801.472	17,395
2049-4096		
4097-8192	362,959.892	3,580
8193-16384	250,384.277	1,365
16385-32768	225,951.376	850
32769-65536	174,846.166	466
65537-131072	59,788.419	
131073-262144	2,360.076	19
262145-524288	8,989.678	9
524289-1048576	0	1

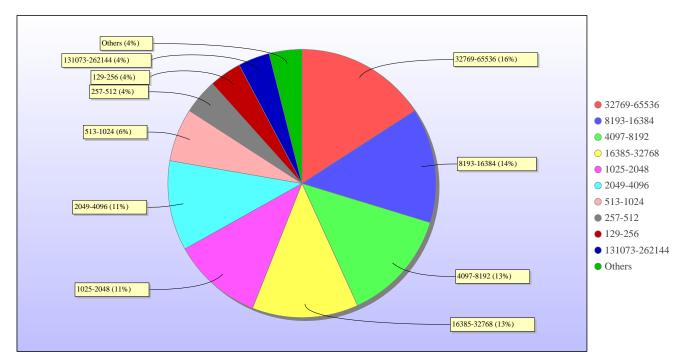
Load plots



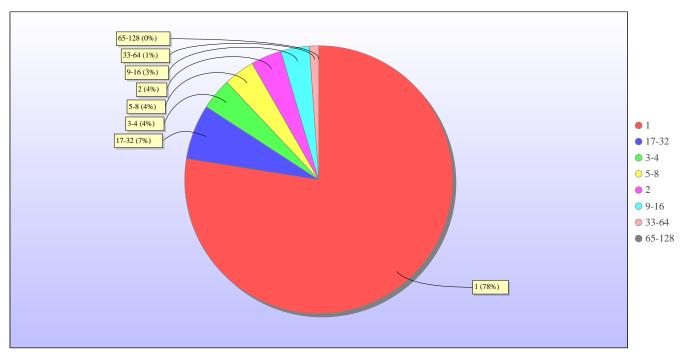
Percentage load on machine



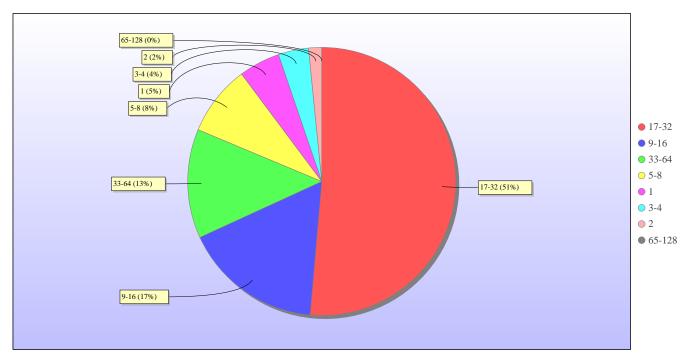
Jobs by Size



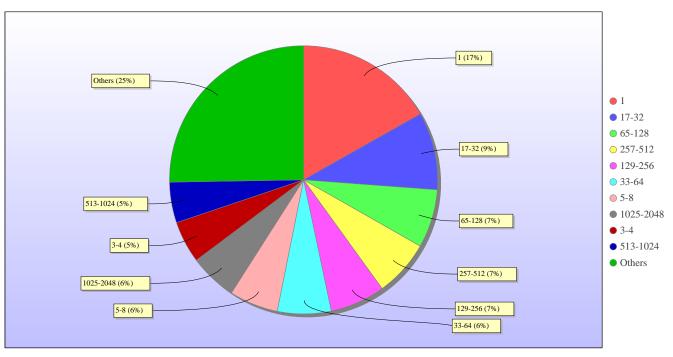
CUs used by Size



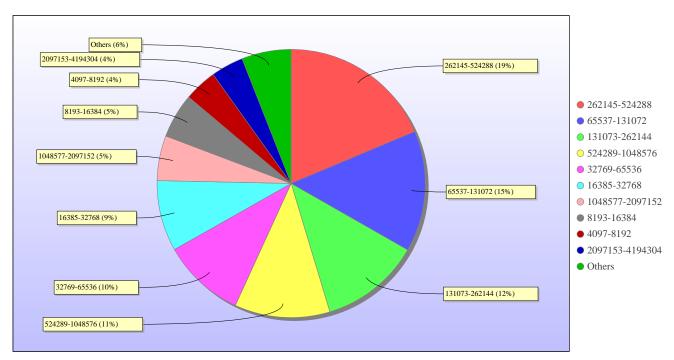
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

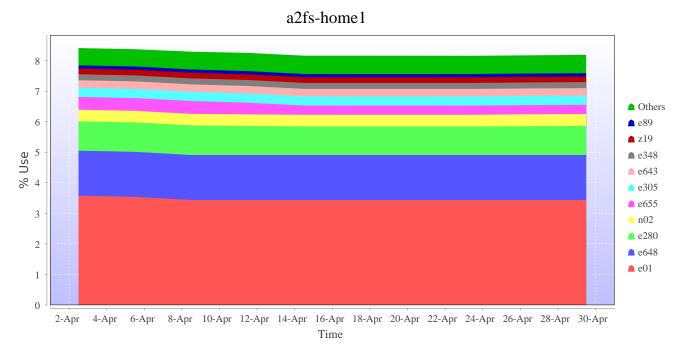


CUs used grouped by core-hours

Disk usage

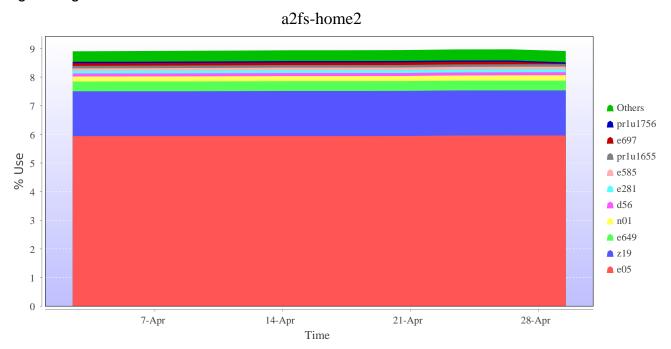
Disk usage for home (a2fs-home1)

This is a plot of Disk Use on a2fs-home1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



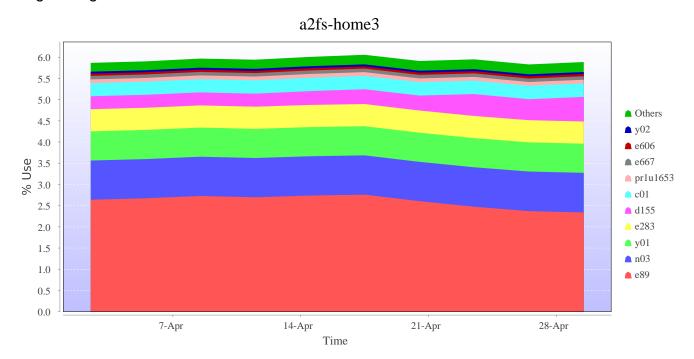
Disk usage for home (a2fs-home2)

This is a plot of Disk Use on a2fs-home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



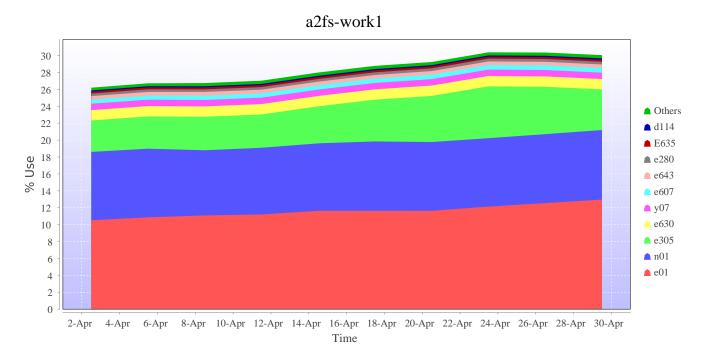
Disk usage for home (a2fs-home3)

This is a plot of Disk Use on a2fs-home3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



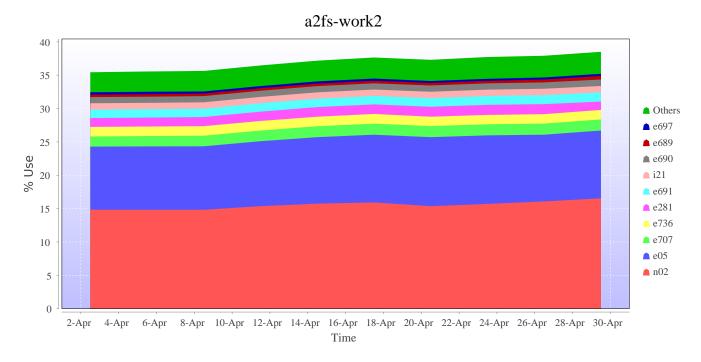
Disk usage for work (a2fs-work1)

This is a plot of Disk Use on a2fs-work1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



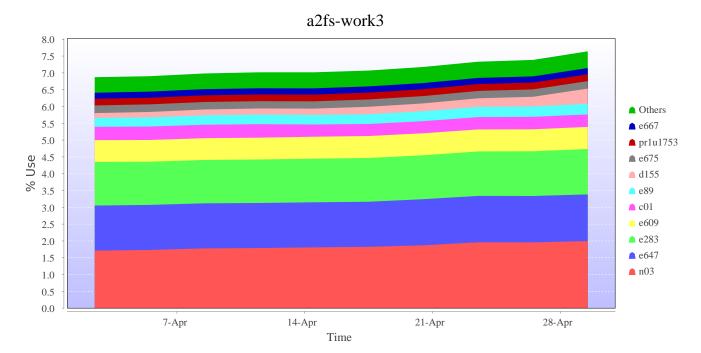
Disk usage for work (a2fs-work2)

This is a plot of Disk Use on a2fs-work2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



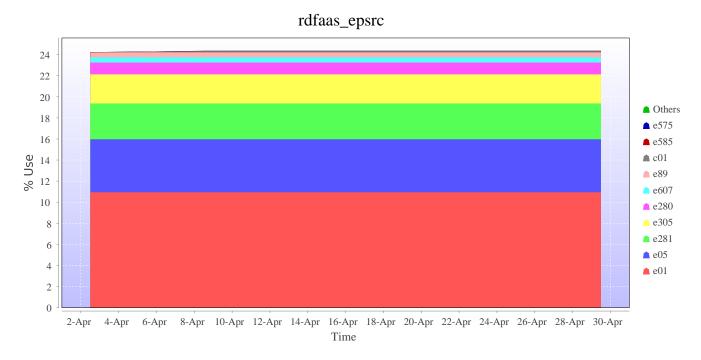
Disk usage for work (a2fs-work3)

This is a plot of Disk Use on a2fs-work3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for epsrc (rdfaas_epsrc)

This is a plot of Disk Use on rdfaas_epsrc against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for general (rdfaas_general)

This is a plot of Disk Use on rdfaas_general against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.

