Monthly Reporting

Report from 01 October 2021 to 31 December 2021

Report for Resource Pool Archer2 on archer2

A total of 12,918,232 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.

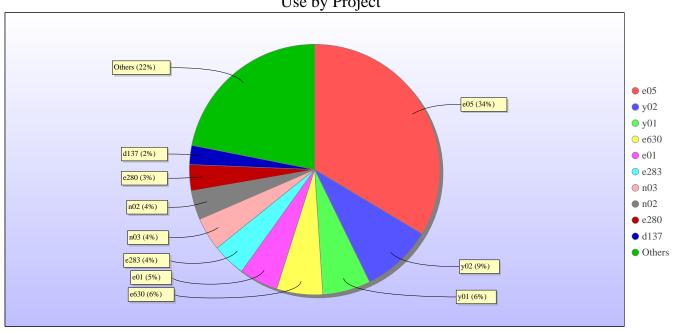
Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
e432	Leadership	12	0.0	0.00%	902.9	0.01%	15,586.1	0.12%
	Awards							
e572	Leadership	8	0.0	0.00%	0.0	0.00%	5,929.2	0.05%
	Awards							
e645	Leadership	0	0.0	0.00%	0.0	0.00%	8,034.0	0.06%
	Awards							
e684	Leadership	3	0.0	0.00%	0.3	0.00%	2,244.0	0.02%
	Awards			0.000		2.224		
e683	Pioneer	6	0.0	0.00%	70.5	0.00%	27,842.6	0.22%
225	Projects			0.000/	05.550.5	0.540/	70.074.4	0.570
e685	Pioneer	555	0.0	0.00%	65,558.5	0.51%	73,974.1	0.57%
	Projects			2.224		2.2121		
e686	Pioneer	90	0.0	0.00%	826.9	0.01%	334.6	0.00%
- 007	Projects	40	0.0	0.000/	0.0	0.000/	4 000 0	0.040
e687	Pioneer	13	0.0	0.00%	2.8	0.00%	1,000.2	0.01%
- 000	Projects	0.5	0.0	0.000/	440.5	0.000/	5.004.4	0.040
e688	Pioneer	25	0.0	0.00%	449.5	0.00%	5,001.1	0.04%
200	Projects	450		0.000/	04 400 0	0.040/	400.0	0.000
e689	Pioneer	159	0.0	0.00%	31,403.3	0.24%	100.0	0.00%
- 000	Projects	00	0.0	0.000/	450.7	0.000/	400.0	0.000
e690	Pioneer	36	0.0	0.00%	459.7	0.00%	100.0	0.00%
-004	Projects	0	0.0	0.000/	0.0	0.00%	400.0	0.000
e691	Pioneer	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
-000	Projects	0	0.0	0.000/	0.0	0.000/	250.4	0.000
e692	Pioneer	U	0.0	0.00%	0.0	0.00%	250.1	0.00%
e693	Projects Pioneer	0	0.0	0.00%	0.0	0.00%	50,050.5	0.39%
6693	Projects	U	0.0	0.00%	0.0	0.00%	50,050.5	0.39%
e731	Pioneer	0	0.0	0.00%	0.0	0.00%	10.0	0.00%
6/31	Projects	٩	0.0	0.00%	0.0	0.00%	10.0	0.00%
c01	Class1a	1,178	0.0	0.00%	109,789.4	0.85%	68,880.2	0.53%
e348	Class1a Class1a	1,178	0.0		52,635.6		11,086.8	
e448	Class1a Class1a	262	0.0		5,320.7	0.41%	35,943.1	0.03%
e558	Class 1a	202	0.0	0.00%	0.0		0.3	
e569	Class1a Class1a	0	0.0		0.0		7,679.3	
e509 e575	Class1a Class1a	353	0.0		636.5		8,681.5	
e607	Class1a Class1a	653	0.0	0.00%	16,173.4	0.00%	29,741.6	
e609	Class1a Class1a	115	0.0		7,054.4	0.13%	3,346.5	
e609 e613	Class1a Class1a	0	0.0		7,054.4		2,478.2	
e630	Class1a Class1a	463	0.0	0.00%	366,939.1	2.84%	2,478.2	
e637	Class1a	0	0.0	0.00%	0.0		5,072.3	
e642	Class1a	0	0.0	0.00%	0.0	0.00%	14,359.9	0.11%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e643	Class1a	119	0.0		1,154.6			0.11%
e647	Class1a	83	0.0		15,172.5		· ·	
e648	Class1a	0	0.0		0.0			
e649	Class1a	69	0.0		7,124.7	0.06%		0.12%
e651	Class1a	0	0.0		0.0			0.03%
e655	Class1a	286	0.0		44,876.2			0.11%
e663	Class1a	0	0.0		0.0	0.00%		
e664	Class1a	0	0.0	0.00%	0.0	0.00%	2,658.2	0.02%
e667	Class1a	194	0.0		11,982.2			
e668	Class1a	0	0.0	0.00%	0.0	0.00%	4,289.7	0.03%
e681	Class1a	51	0.0	0.00%	0.6	0.00%	1,766.9	0.01%
e682	Class1a	383	0.0	0.00%	2,165.0	0.02%	7,286.9	0.06%
e694	Class1a	1	0.0	0.00%	0.0	0.00%	5,627.7	0.04%
e696	Class1a	14	0.0	0.00%	36.3	0.00%	999.1	0.01%
e697	Class1a	464	0.0		114,635.0			0.07%
e700	Class1a	0	0.0		0.0			0.01%
e701	Class1a	0	0.0		0.0			
e702	Class1a	149	0.0		5,744.0	0.04%		0.02%
e705	Class1a	0	0.0		0.0			0.09%
e706	Class1a	0	0.0		0.0			0.00%
e707	Class1a	0	0.0	0.00%	0.0	0.00%		0.11%
e708	Class1a	0	0.0		0.0	0.00%		0.03%
e710	Class1a	0	0.0		0.0			0.01%
e712	Class1a	0	0.0		0.0			
e720	Class1a	21	0.0		192.6			0.06%
e721	Class1a	0	0.0		0.0			
e724	Class1a	0	0.0		0.0	0.00%		
e6337	Class1a	0	0.0		0.0	0.00%	11,960.7	0.09%
ec110	Class1a	0	0.0		0.0			0.00%
e01	Consortia	3,066	0.0		308,365.5			1.19%
e05	Consortia	36,204	0.0		2,071,067.1	16.03%		4.54%
e89	Consortia	5,085	0.0		138,906.8			3.62%
e280	Consortia	1,758	0.0		208,287.3			
e281	Consortia	947	0.0	0.00%	37,592.9			0.25%
e283	Consortia	8,994	0.0		266,376.8			0.29%
e305	Consortia	977	0.0		61,661.5			0.49%
e585	Consortia	911	0.0		38,308.3			1.02%
	Pump Priming	0	0.0		0.0		240.6	0.00%
		0			0.0			0.00%
	Pump Priming Pump Priming	0	0.0			0.00%		
e699 e704	Pump Priming	7	0.0	0.00% 0.00%	0.0 0.2	0.00% 0.00%		0.00% 0.00%
			0.0					
	Pump Priming	0	0.0		0.0			0.00%
	Pump Priming	0	0.0		0.0			0.00%
	Pump Priming	26	0.0		7.3			0.00%
	Pump Priming	0	0.0		0.0			0.00%
	Pump Priming	0	0.0		0.0			0.00%
	Pump Priming	0	0.0		0.0			0.00%
	Pump Priming	5	0.0		75.1	0.00%		
	Pump Priming	332	0.0		2.8			0.00%
	Access to HPC	184	0.0		2,121.0			0.05%
	Access to HPC	0	0.0		0.0			0.01%
	Access to HPC	0	0.0		0.0			0.11%
	Access to HPC	3	0.0		3.4			0.05%
	Access to HPC	29	0.0		1,475.7	0.01%		0.10%
	Access to HPC	166	0.0		220.4	0.00%		0.05%
	Access to HPC	981	0.0		71,798.6		· ·	
	Access to HPC	0	0.0		0.0			
	Access to HPC	0	0.0		0.0	0.00%		
	Access to HPC	0	0.0		0.0			
e679 A	Access to HPC	0	0.0	0.00%	0.0	0.00%	9,637.8	0.07%
I	Access to HPC	0	0.0	0.00%	0.0			0.08%
△ 703 /	Access to HPC	0	0.0	0.00%	0.0	0.00%	344.0	0.00%
C1 05 1		-1			0.0	0.00%		0.00%

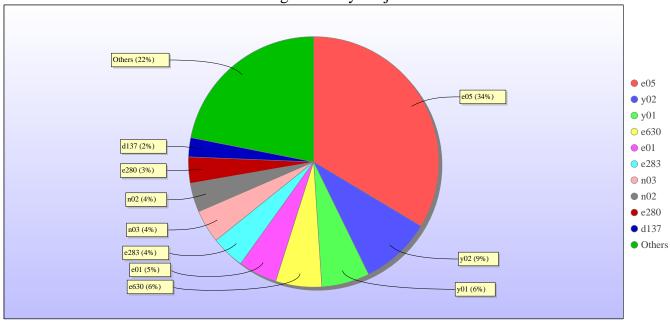
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e730	Access to HPC	139	0.0	0.00%	2.9	0.00%	10.0	0.00%
	Access to HPC	0	0.0	0.00%	0.0		10.0	0.00%
e733	Access to HPC	0	0.0	0.00%	0.0	0.00%	10.0	0.00%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	10.0	0.00%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	10.0	0.00%
e736	Access to HPC	519	0.0	0.00%	45,923.7	0.36%	10.0	0.00%
EPSRC Total		67,297	0.0	0.00%	4,113,691.0	31.84%	2,378,721.4	18.41%
n01	Consortia	4,958	0.0	0.00%	77,458.0	0.60%	457,182.3	3.54%
n02	Consortia	18,776	0.0	0.00%	231,680.8	1.79%	1,304,217.8	10.10%
n03	Consortia	2,310	0.0	0.00%	263,601.6	2.04%	333,619.5	2.58%
NERC Total		26,044	0.0	0.00%	572,740.4	4.43%	2,095,019.6	16.22%
e621	Class1a	725	0.0	0.00%	38,659.1	0.30%	5,857.7	0.05%
BBSRC Total		725	0.0	0.00%	38,659.1	0.30%	5,857.7	0.05%
E635	Leadership Awards	1,996	0.0	0.00%	61,712.7	0.48%	9,973.4	0.08%
e723	Class1a	0	0.0	0.00%	0.0	0.00%	20,335.2	0.16%
UKRI Total		1,996	0.0	0.00%	61,712.7	0.48%	30,308.6	0.23%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	25.5	
pr1u1651	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	802.3	0.01%
pr1u1652	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	5,375.3	0.04%
pr1u1653	DECI: EXEC	54	0.0	0.00%	17,276.9	0.13%	17,076.9	0.13%
pr1u1654	DECI: EXEC	24	0.0	0.00%	424.0	0.00%	2,004.4	0.02%
pr1u1655	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,239.4	0.03%
pr1u1656	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	9,557.6	
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0		1,580.2	0.01%
pr1u1658	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,241.0	0.02%
pr1u1659	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,696.3	0.04%
pr1u1751	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,000.4	0.03%
pr1u1752	DECI: EXEC	60	0.0	0.00%	20,378.1	0.16%	5,721.7	0.04%
pr1u1753	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	11,687.0	0.09%
pr1u1754	DECI: EXEC	407	0.0	0.00%	2,486.0	0.02%	7,867.3	0.06%
pr1u1755	DECI: EXEC	0	0.0	0.00%	0.0		5,149.5	
pr1u1756	DECI: EXEC	60	0.0	0.00%	589.5	0.00%	19,097.8	
pr1u1757	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,722.1	0.02%
pr1u1758	DECI: EXEC	66	0.0	0.00%	2,595.3		2,256.1	0.02%
pr1u1759	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,574.5	
pr1u1760	DECI: EXEC DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,716.5	
pr1u1702 pr1u1707	DECI: HOME	26 0	0.0 0.0	0.00% 0.00%	648.1 0.0	0.01% 0.00%	5,055.6 4,380.7	0.04% 0.03%
pr1ush01	DECI: HOME	1,093	0.0	0.00%	5,477.6	0.00%	1,248.6	0.03%
pr1ushpc		1,093	0.0	0.00%	0.0	0.00%	246.1	0.01%
PRACE Total	DECI. HOWE	1,790	0.0	0.00%	49,875.5		123,323.0	
ecseaa06	eCSE	0	0.0	0.00%	0.0	0.00%	547.5	
ecseaa00		0	0.0	0.00%	0.0	0.00%	273.7	0.00%
ecseaa09	eCSE	0	0.0	0.00%	0.0		203.9	
ecseaa11		0	0.0	0.00%	0.0	0.00%	201.7	0.00%
ecseaa13		0	0.0	0.00%	0.0	0.00%	270.7	0.00%
ecseaa14		0	0.0	0.00%	0.0		704.5	
ecseaa16		0	0.0	0.00%	0.0	0.00%	701.1	0.01%
ecseaa19		77	0.0	0.00%	267.4	0.00%	305.5	
ecseaa20		0	0.0	0.00%	0.0		484.9	
ecseaa21	eCSE	0	0.0	0.00%	0.0	0.00%	203.6	
ecseaa22		0	0.0	0.00%	0.0	0.00%	587.4	
ecseaa26		158	0.0	0.00%	1,129.7	0.01%	1,094.5	
ecseaa28		118	0.0	0.00%	60.1	0.00%	121.3	
ecseab02	eCSE	0	0.0	0.00%	0.0	0.00%	276.3	0.00%
ecseab03		0	0.0	0.00%	0.0	0.00%	143.0	0.00%
ecseab04		0	0.0	0.00%	0.0		167.3	0.00%
ecseab06		164	0.0	0.00%	75.8	0.00%	70.9	0.00%
ecseab11	eCSE	0	0.0	0.00%	0.0		56.5	
ecseab12		85	0.0	0.00%	4,409.2		306.3	
ecseab13		3	0.0	0.00%	0.0		110.9	
ecseac02	eCSE	352	0.0	0.00%	2,573.9	0.02%	168.9	0.00%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
ecseac04	eCSE	5	0.0	0.00%	0.1	0.00%	301.1	0.00%
ecseac05	eCSE	0	0.0	0.00%	0.0		111.3	0.00%
ecseac06	eCSE	0	0.0	0.00%	0.0	0.00%	233.9	
ecseac10	eCSE	0	0.0	0.00%	0.0	0.00%	335.7	0.00%
ecseac12	eCSE	0	0.0	0.00%	0.0	0.00%	162.9	0.00%
ecseac14	eCSE	0	0.0	0.00%	0.0	0.00%	126.5	0.00%
ecsead01	eCSE	0	0.0	0.00%	0.0		171.1	0.00%
ecsead05	eCSE	0	0.0	0.00%	0.0	0.00%	163.0	0.00%
ecsead06	eCSE	0	0.0	0.00%	0.0	0.00%	613.3	0.00%
ecsead07	eCSE	0	0.0	0.00%	0.0		179.5	
ecsead08	eCSE	119	0.0	0.00%	989.6	0.01%	149.4	0.00%
eCSE Total		1,081	0.0	0.00%	9,505.9		9,548.2	0.07%
d35	Research	123	0.0	0.00%	9.6	0.00%	428.0	0.00%
d56	Research	986	0.0	0.00%	21,727.1	0.17%	18,404.8	0.14%
d71	Research	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
d114	Research	453	0.0	0.00%	14,819.7	0.11%	15,517.3	0.12%
d118	Research	57	0.0	0.00%	66.8	0.00%	2,353.6	0.02%
d137	Research	294	0.0	0.00%	152,193.6	1.18%	4,951.1	0.04%
d142	Research	241	0.0	0.00%	15,076.2	0.12%	5,593.3	0.04%
d155	Research	1,528	0.0	0.00%	58,428.8		26,796.9	0.21%
d175	Research	4	0.0	0.00%	0.5	0.00%	389.7	0.00%
d178	Research	0	0.0	0.00%	0.0	0.00%	8,767.8	0.07%
d179	Research	106	0.0	0.00%	3,396.5	0.03%	3,342.5	0.03%
d428	Research	0	0.0	0.00%	0.0	0.00%	205.1	0.00%
d429	Research	88	0.0	0.00%	6,732.9	0.05%	20,918.6	0.16%
sc004	Research	0	0.0	0.00%	0.0	0.00%	33.7	0.00%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	3,700.3	0.03%
d433	Industrial	0	0.0		0.0	0.00%	531.9	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	15.9	0.00%
i18	Industrial	31	0.0	0.00%	50.3	0.00%	4,509.8	0.03%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	50,084.3	0.39%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	1,578.8	0.01%
i239	Industrial	0	0.0	0.00%	0.0	0.00%	4,262.4	0.03%
ic062	Industrial	0	0.0	0.00%	0.0	0.00%	63.6	0.00%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	3.3	0.00%
d174	Training	0	0.0	0.00%	0.0	0.00%	1,503.7	0.01%
d176	Training	80	0.0	0.00%	510.4	0.00%	93.7	0.00%
ta021	Training	0	0.0	0.00%	0.0	0.00%	38.0	0.00%
ta026	Training	0	0.0	0.00%	0.0	0.00%	188.6	0.00%
ta027	Training	0	0.0	0.00%	0.0	0.00%	188.6	0.00%
ta036	Training	0	0.0	0.00%	0.0	0.00%	25.0	0.00%
ta037	Training	0	0.0	0.00%	0.0	0.00%	75.6	0.00%
ta038	Training	0	0.0	0.00%	0.0	0.00%	37.8	0.00%
ta040	Training	0	0.0	0.00%	0.0	0.00%	87.5	0.00%
ta041	Training	0	0.0	0.00%	0.0		18.8	
ta042	Training	0	0.0	0.00%	0.0	0.00%	938.5	0.01%
ta043	Training	72	0.0	0.00%	21.4	0.00%	0.9	
ta044	Training	0	0.0	0.00%	0.0	0.00%	500.0	0.00%
ta045	Training	89	0.0	0.00%	40.0	0.00%	0.8	0.00%
y01	Service	38,930	0.0	0.00%	382,068.3	2.96%	174.7	0.00%
y02	Service	91,677	0.0	0.00%	565,315.7	4.38%	1,438.1	0.01%
y07	Service	0	0.0	0.00%	0.0	0.00%	504.3	0.00%
y23	Service	32	0.0	0.00%	0.2		164.9	0.00%
z01	Service	0	0.0		0.0		232.4	0.00%
z02	Service	14	0.0	0.00%	2.4		1,107.5	
z19	Service	14,972	0.0		99,031.9		50,641.5	
z99	Service	0	0.0	0.00%	0.0	0.00%	1.6	
DirectorsTime		149,777	0.0		1,319,492.4		230,415.6	
Total								
Total		248,710	0.0	0.00%	6,165,677.0	47.73%	4,873,194.2	37.72%

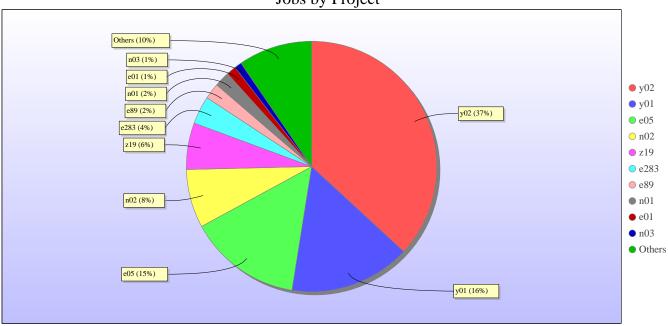
Use by Project







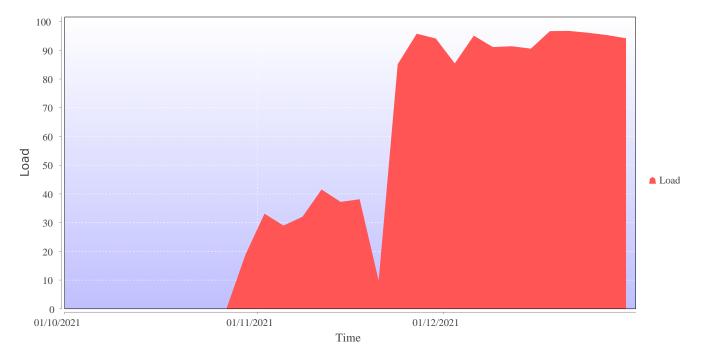
Jobs by Project



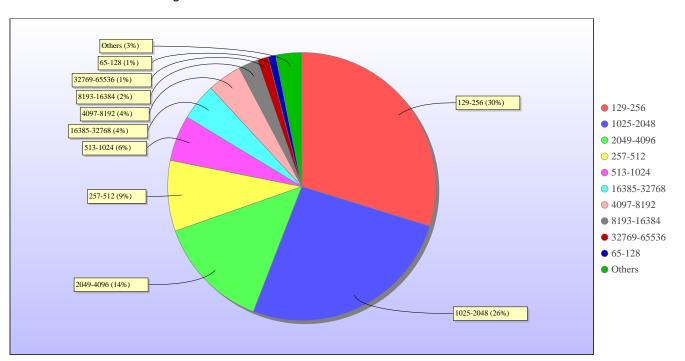
CUs (by Size)

Size	CUs	Number of Jobs
1		0 591
2		0 1,907
3-4		0 47
5-8		0 662
9-16		0 165
17-32		0 824
33-64		0 160
65-128		0 2,281
129-256		0 74,056
257-512		0 21,177
513-1024		0 13,731
1025-2048		0 64,951
2049-4096		0 34,162
4097-8192		0 10,265
8193-16384		0 5,878
16385-32768		0 11,137
32769-65536		0 3,287
65537-131072		0 1,689
131073-262144		0 647
262145-524288		0 461
524289-1048576		0 280
1048577-2097152		0 352

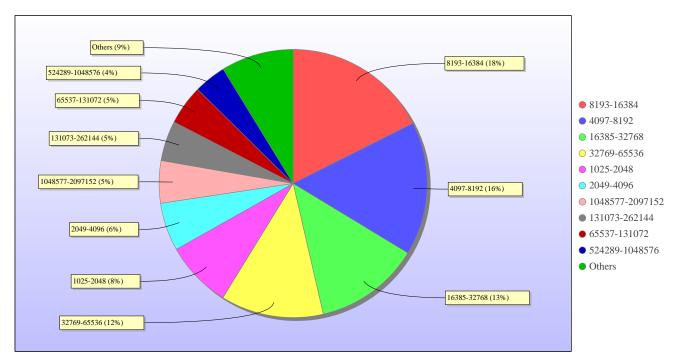
Load plots



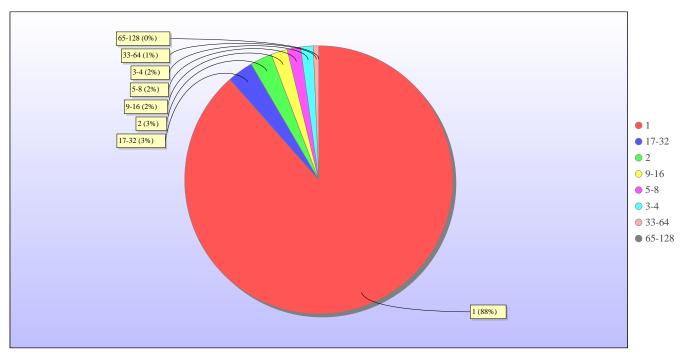
Percentage load on machine



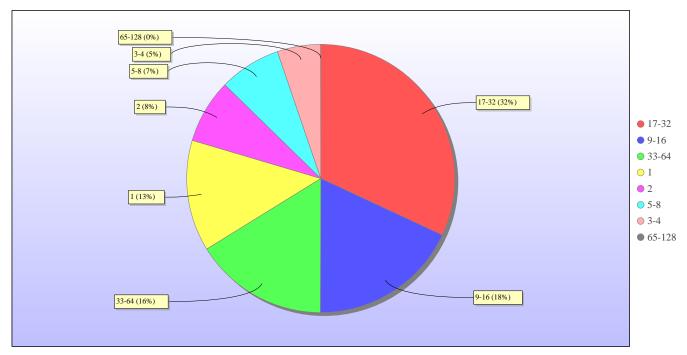
Jobs by Size



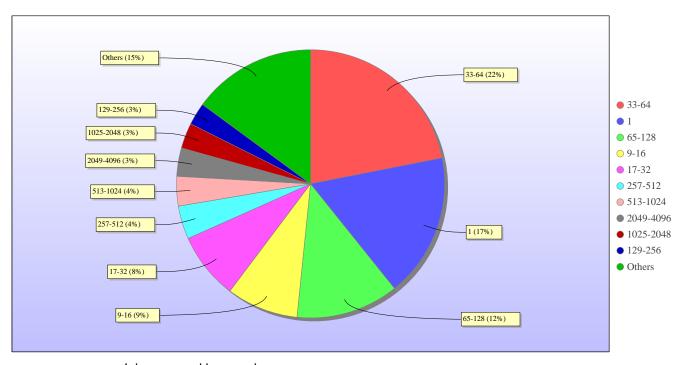
CUs used by Size



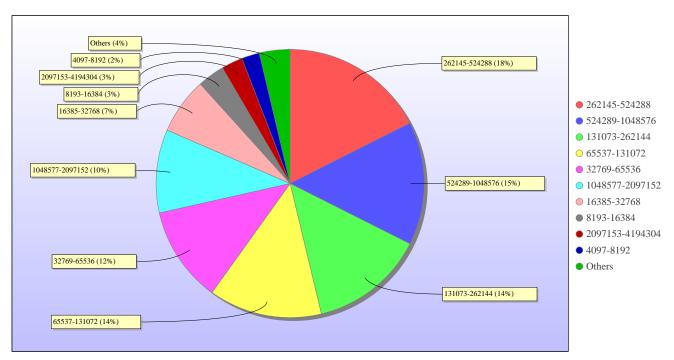
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

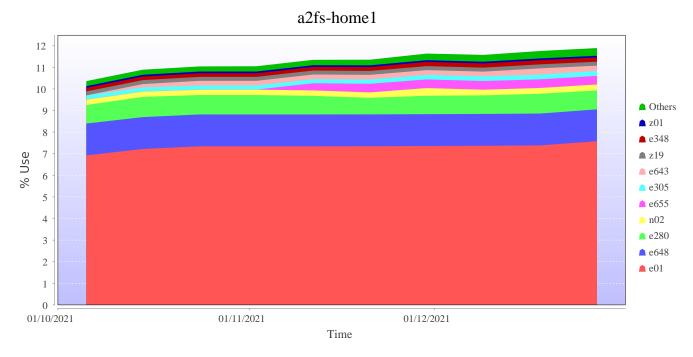


CUs used grouped by core-hours

Disk usage

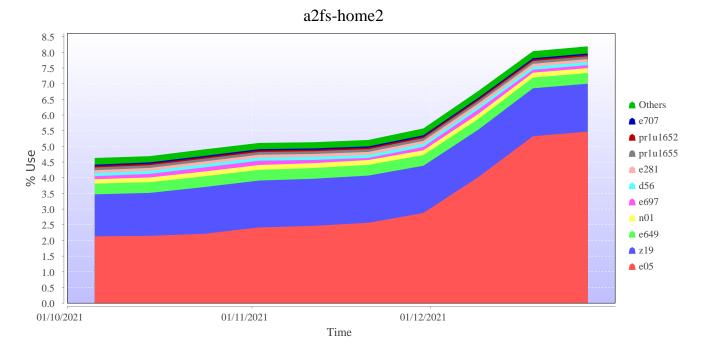
Disk usage for home (a2fs-home1)

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.



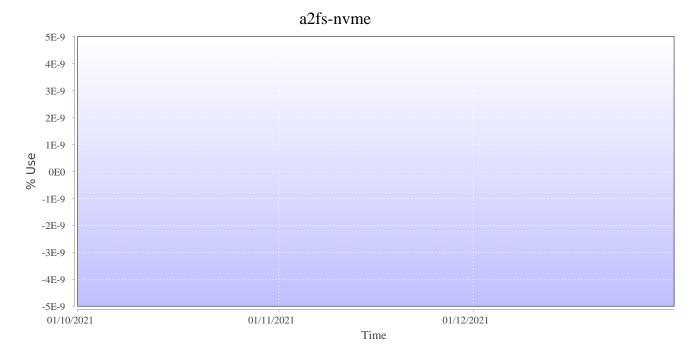
Disk usage for home (a2fs-home3)

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.



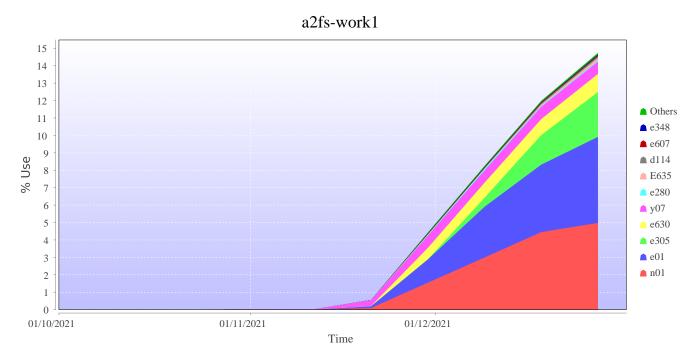
Disk usage for scratch (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme 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.



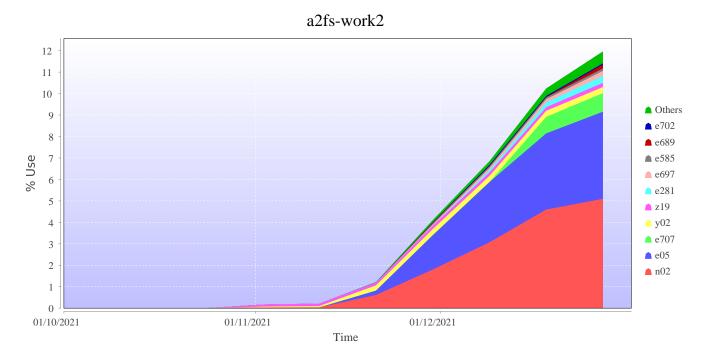
Disk usage for work (a2fs-work1)

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.



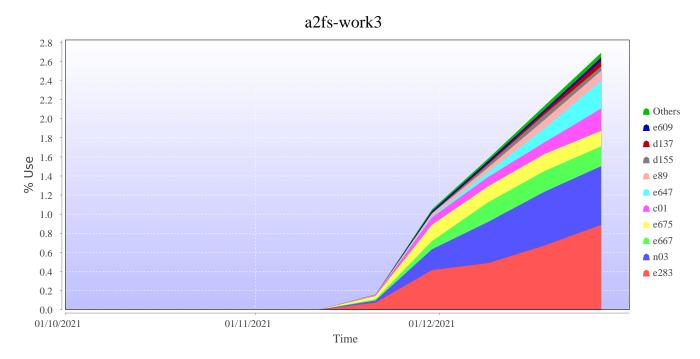
Disk usage for work (a2fs-work2)

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.



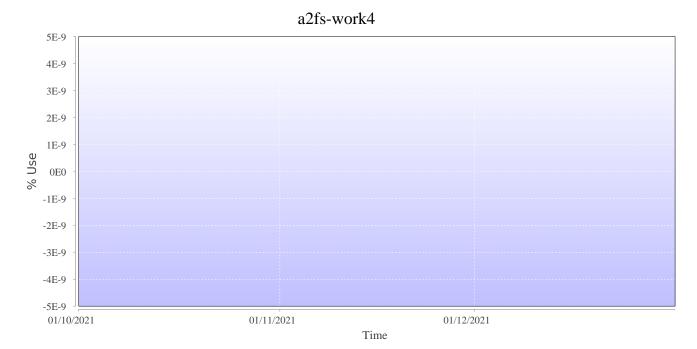
Disk usage for work (a2fs-work3)

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.



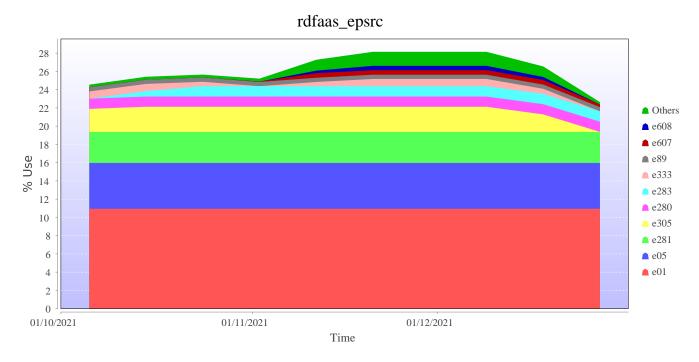
Disk usage for work (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 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.

