

Monthly Reporting

Report from 01 October 2020 to 31 December 2020

Report for Resource Pool Archer2 on archer2-4c

A total of 2,262,016 CUs were available during this period.

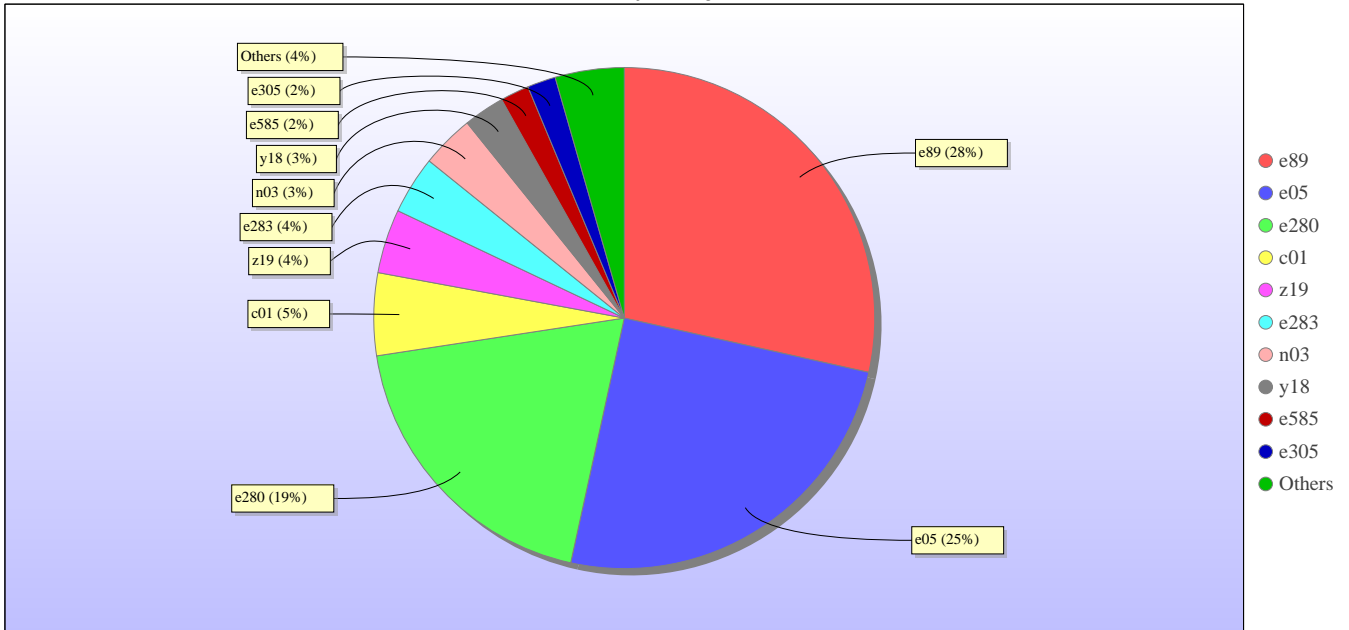
Use and Allocations (by Project)

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.

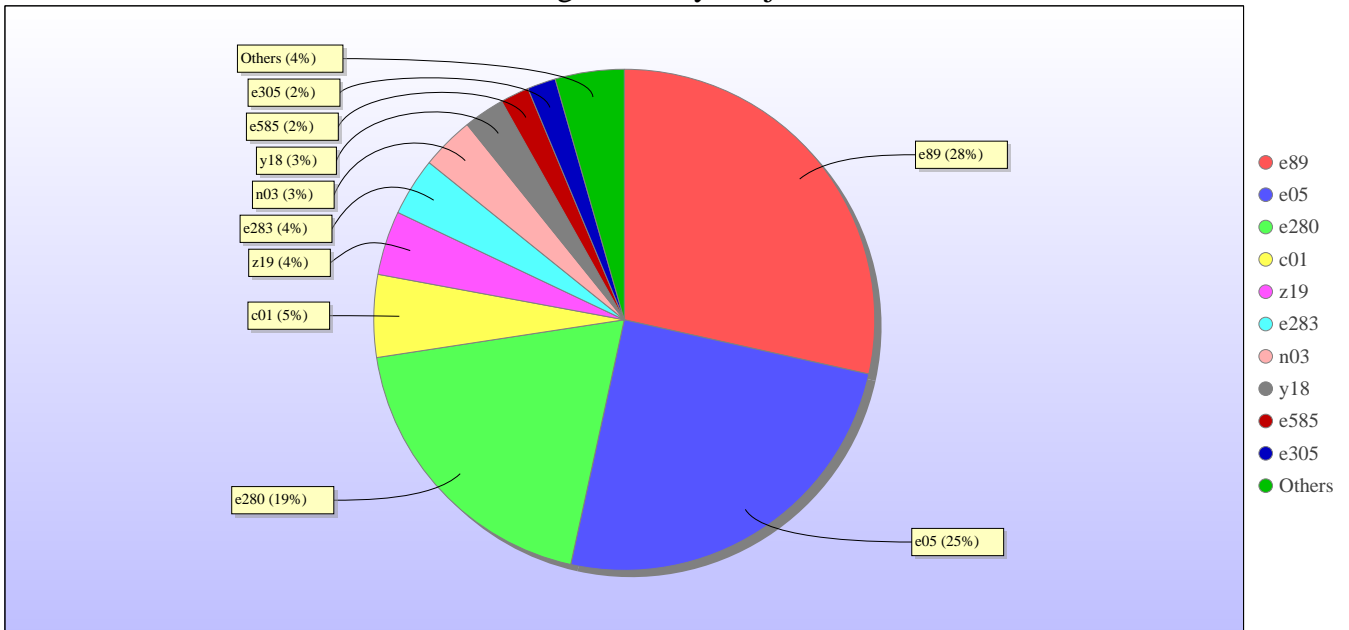
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
y18	Early use	317	0.0	0.00%	29,626.5	1.31%	45,147.4	2.00%
c01	Class1a	4,440	0.0	0.00%	59,524.8	2.63%	44,470.2	1.97%
e01	Consortia	313	0.0	0.00%	6,907.1	0.31%	44,470.2	1.97%
e05	Consortia	2,800	0.0	0.00%	279,145.4	12.34%	44,470.2	1.97%
e89	Consortia	6,456	0.0	0.00%	318,635.6	14.09%	44,470.2	1.97%
e280	Consortia	1,325	0.0	0.00%	214,332.0	9.48%	44,470.2	1.97%
e281	Consortia	213	0.0	0.00%	3,079.2	0.14%	44,470.2	1.97%
e283	Consortia	1,440	0.0	0.00%	41,938.7	1.85%	44,470.2	1.97%
e305	Consortia	307	0.0	0.00%	20,512.5	0.91%	44,470.2	1.97%
e585	Consortia	549	0.0	0.00%	20,766.8	0.92%	44,470.2	1.97%
ta004	Training	510	0.0	0.00%	2,127.3	0.09%	1,000.0	0.04%
ta005	Training	952	0.0	0.00%	11,916.7	0.53%	1,000.0	0.04%
ta006	Training	0	0.0	0.00%	0.0	0.00%	1,000.0	0.04%
ta007	Training	62	0.0	0.00%	0.2	0.00%	757.6	0.03%
ta008	Training	0	0.0	0.00%	0.0	0.00%	625.0	0.03%
ta009	Training	180	0.0	0.00%	6.9	0.00%	521.7	0.02%
ta010	Training	82	0.0	0.00%	0.2	0.00%	594.6	0.03%
ta012	Training	0	0.0	0.00%	0.0	0.00%	405.1	0.02%
ta013	Training	0	0.0	0.00%	0.0	0.00%	363.6	0.02%
ta014	Training	0	0.0	0.00%	0.0	0.00%	390.2	0.02%
ta015	Training	0	0.0	0.00%	0.0	0.00%	395.1	0.02%
EPSRC Total		19,946	0.0	0.00%	1,008,519.9	44.59%	452,431.8	20.00%
n01	Consortia	2,777	0.0	0.00%	13,164.3	0.58%	44,470.2	1.97%
n02	Consortia	1,977	0.0	0.00%	11,473.6	0.51%	22,728.7	1.00%
n03	Consortia	1,577	0.0	0.00%	38,273.9	1.69%	44,470.2	1.97%
NERC Total		6,331	0.0	0.00%	62,911.7	2.78%	111,669.0	4.94%
d172	Research	78	0.0	0.00%	13.2	0.00%	404.1	0.02%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
y01	Service	2	0.0	0.00%	0.0	0.00%	444.7	0.02%
y02	Service	354	0.0	0.00%	619.2	0.03%	5,057.2	0.22%
z04	Service	9	0.0	0.00%	0.0	0.00%	0.0	0.00%
z19	Service	31,637	0.0	0.00%	46,288.1	2.05%	5,057.2	0.22%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
DirectorsTime Total		32,080	0.0	0.00%	46,920.4	2.07%	10,963.5	0.48%
z01	Service	0	0.0	0.00%	0.0	0.00%	84.9	0.00%
z02	Service	195	0.0	0.00%	466.0	0.02%	2,013.9	0.09%
CSE Total		195	0.0	0.00%	466.0	0.02%	2,098.8	0.09%
Total		58,552	0.0	0.00%	1,118,818.0	49.46%	577,163.1	25.52%

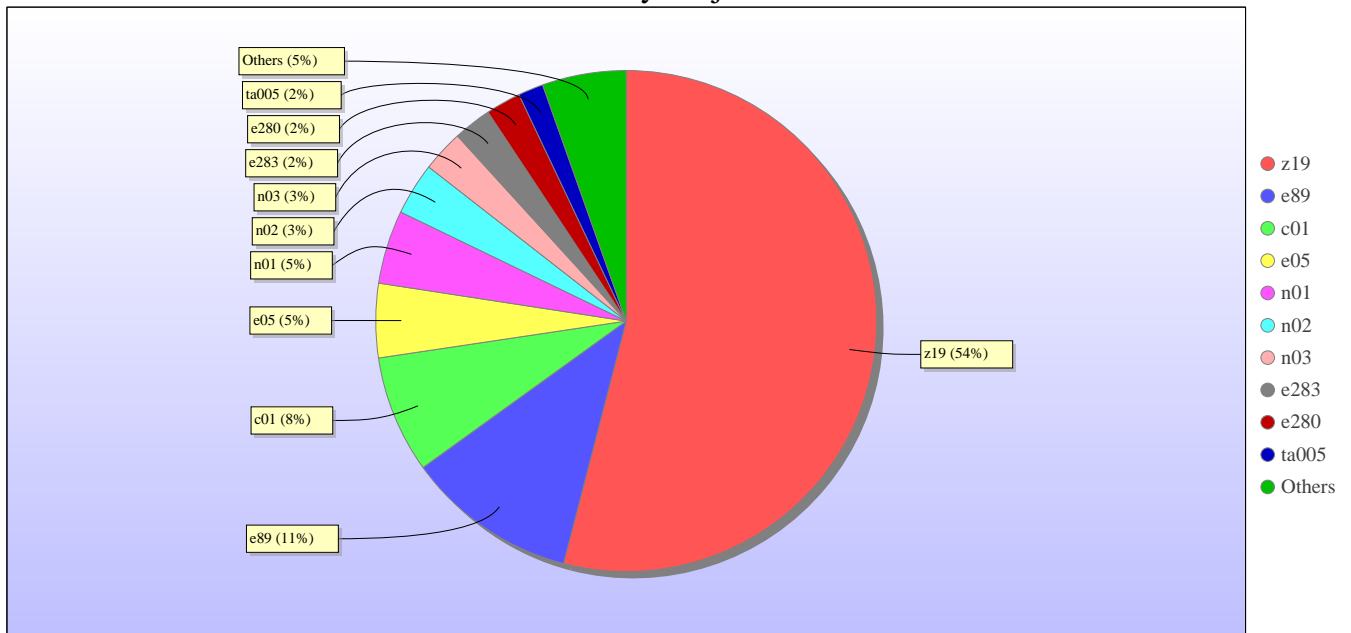
Use by Project



Uncharged Use by Project



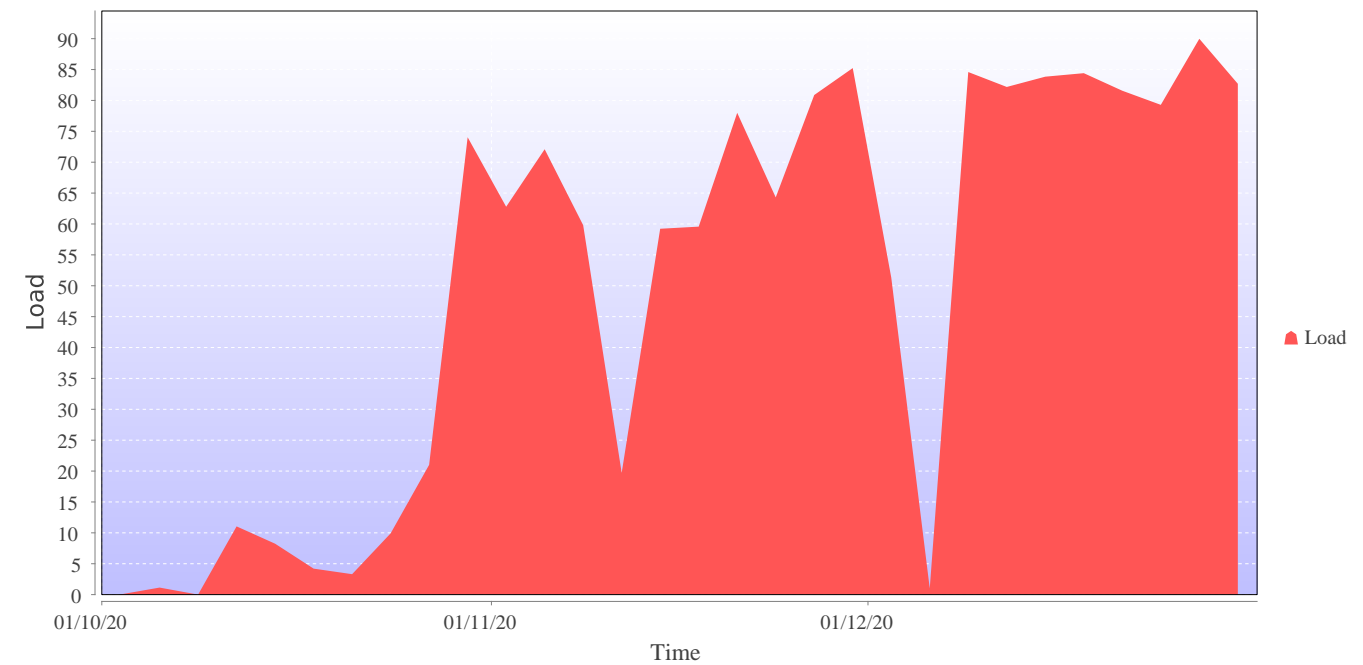
Jobs by Project



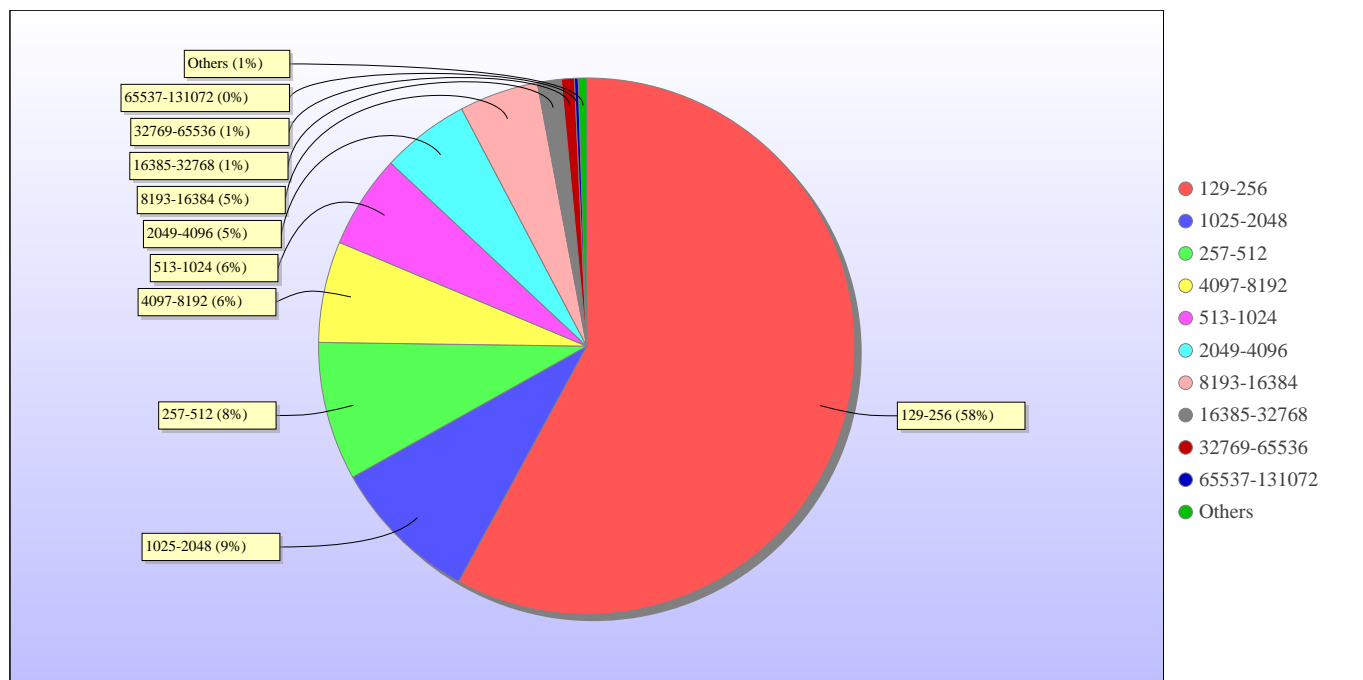
CUs (by Size)

Size	CUs	Number of Jobs
1	0	38
2	0	3
3-4	0	13
5-8	0	19
9-16	0	4
17-32	0	5
33-64	0	12
65-128	0	114
129-256	0	33,921
257-512	0	4,885
513-1024	0	3,301
1025-2048	0	5,239
2049-4096	0	3,113
4097-8192	0	3,572
8193-16384	0	2,791
16385-32768	0	843
32769-65536	0	459
65537-131072	0	132
131073-262144	0	88

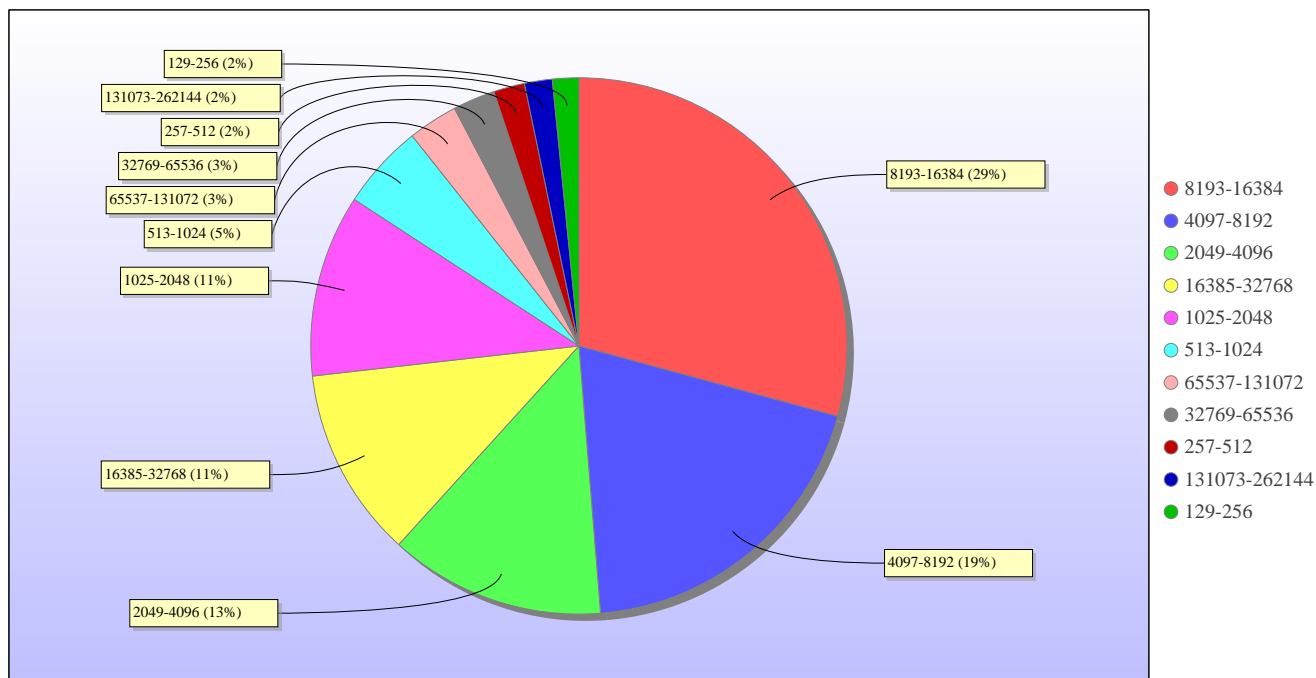
Load plots



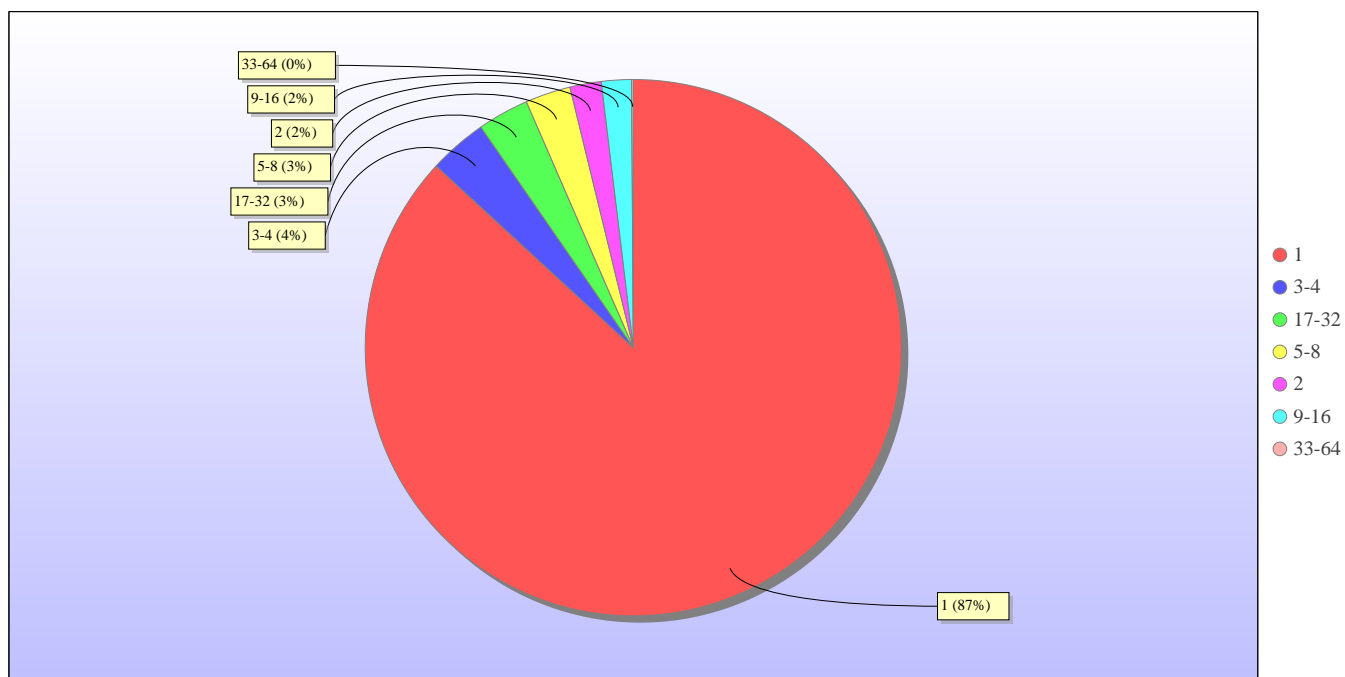
Percentage load on machine



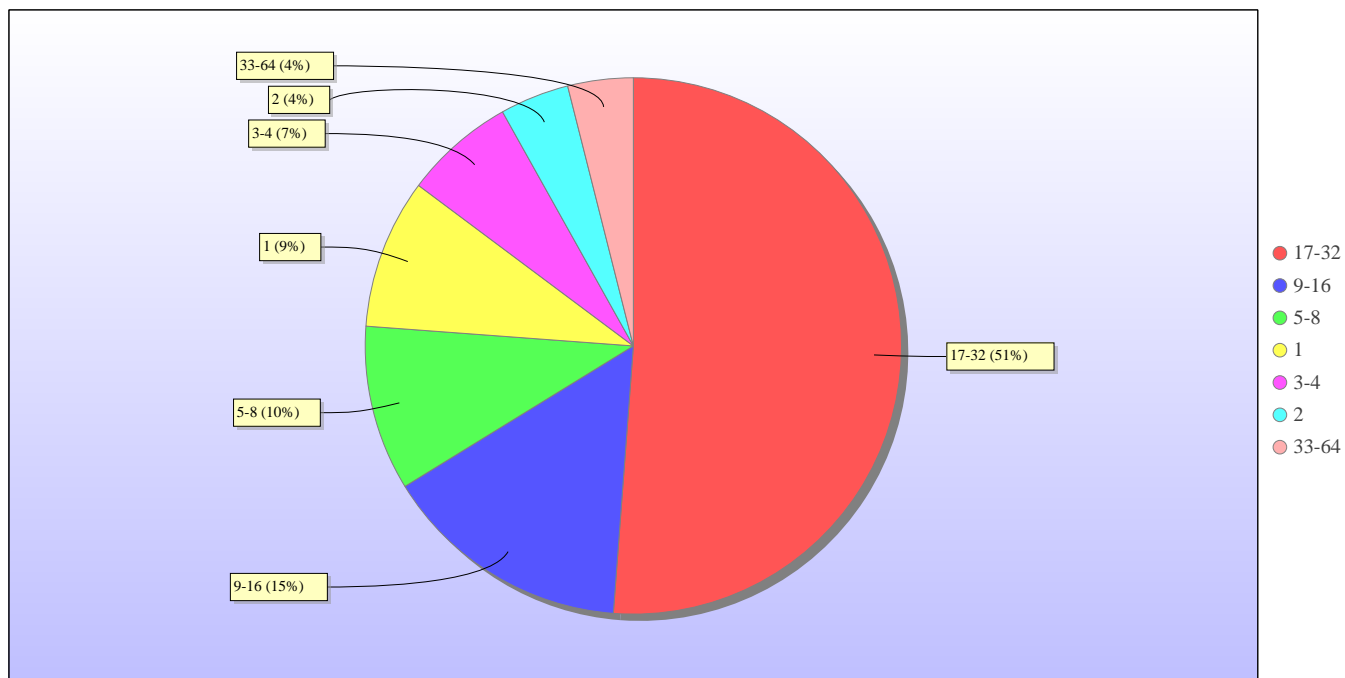
Jobs by Size



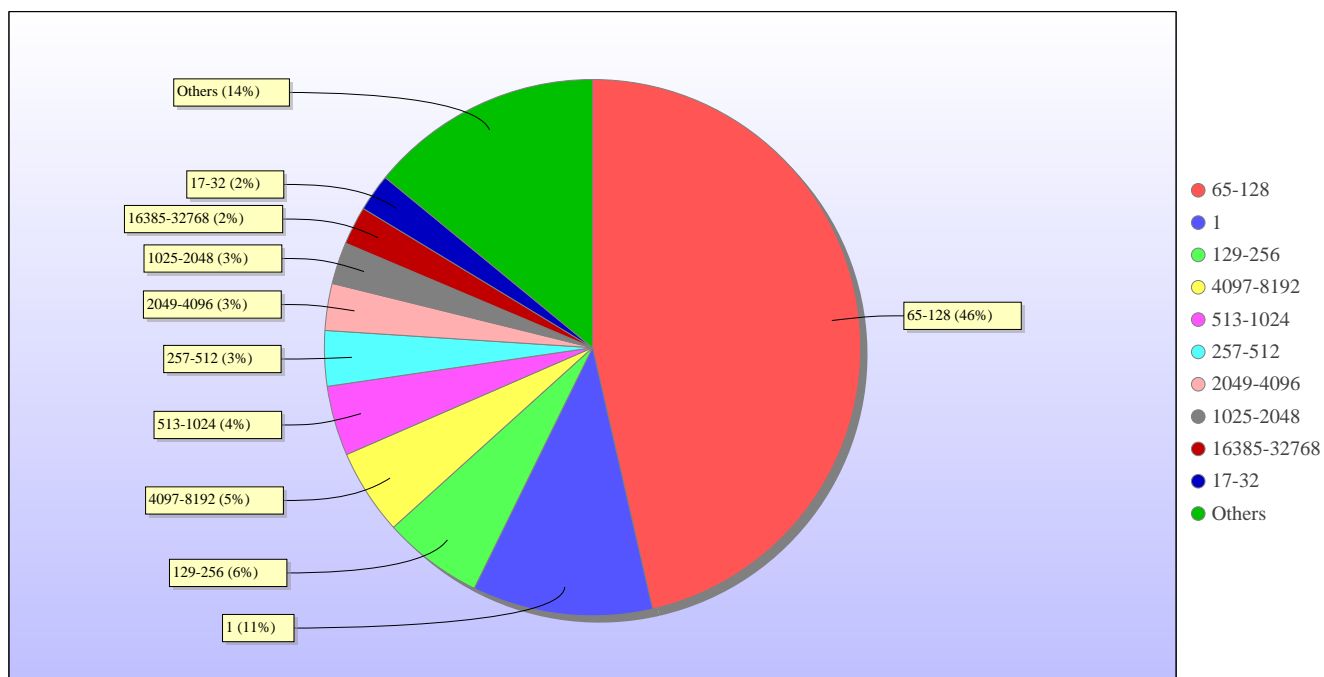
CUs used by Size



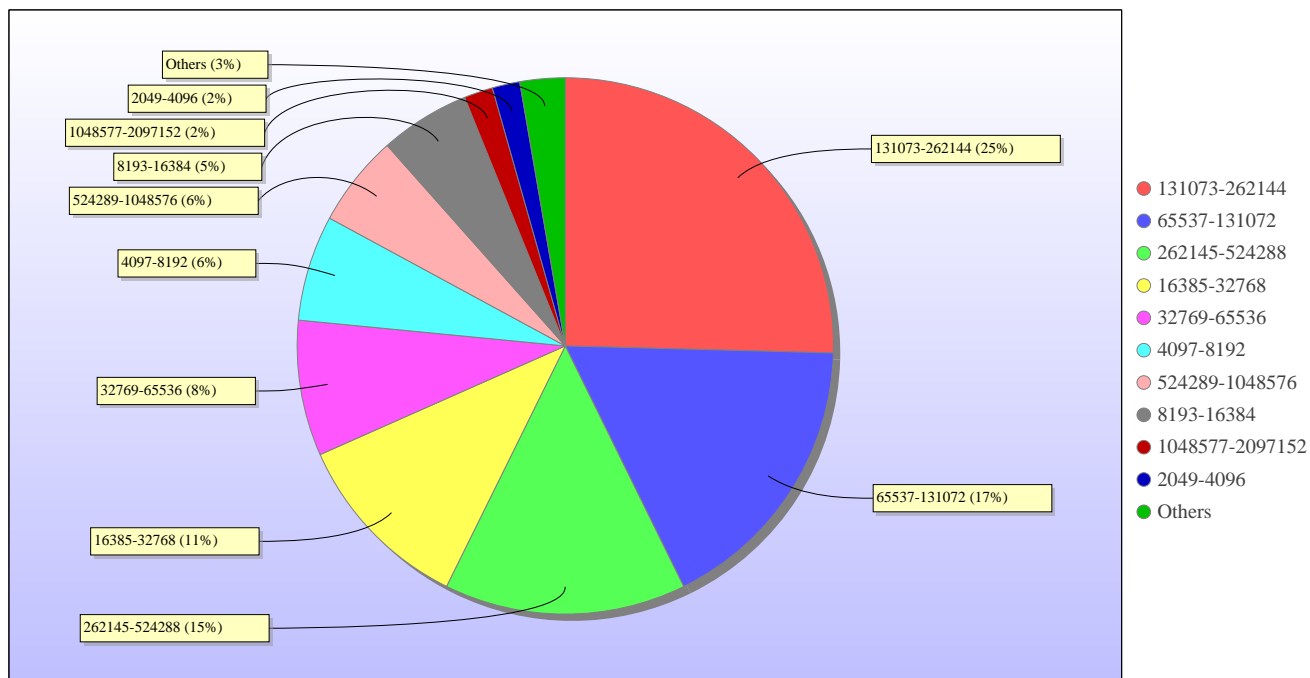
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

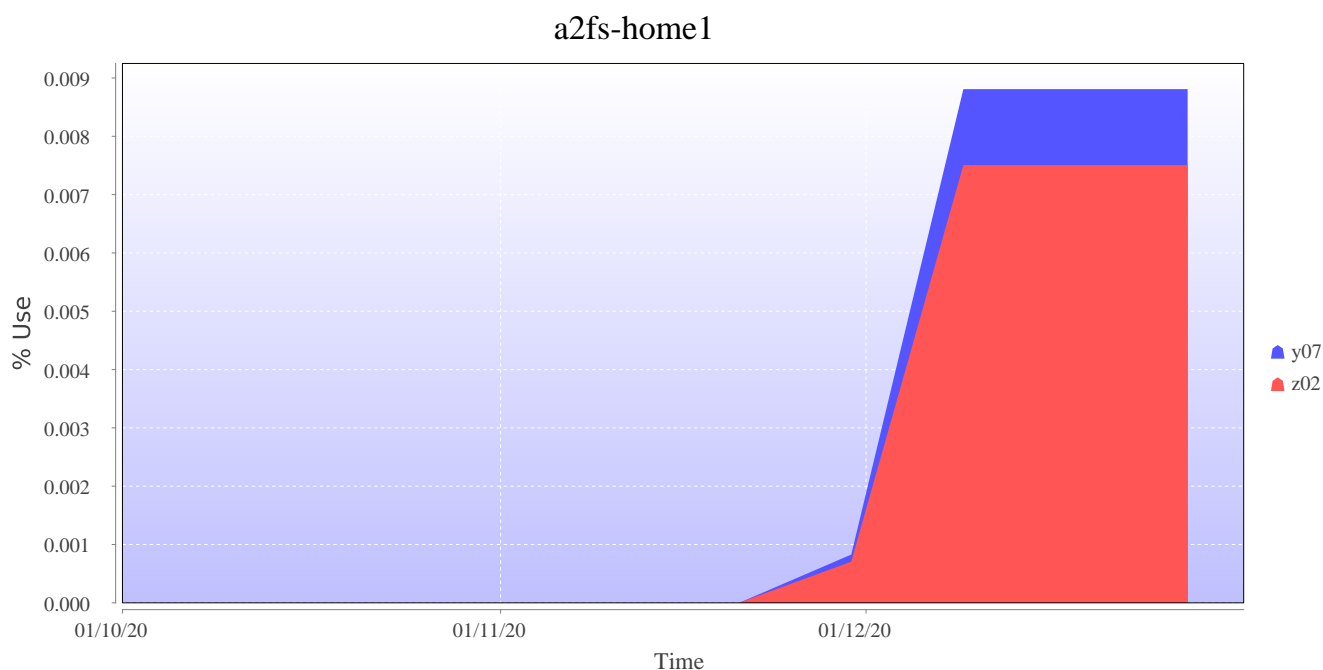


CUs used grouped by core-hours

Disk usage

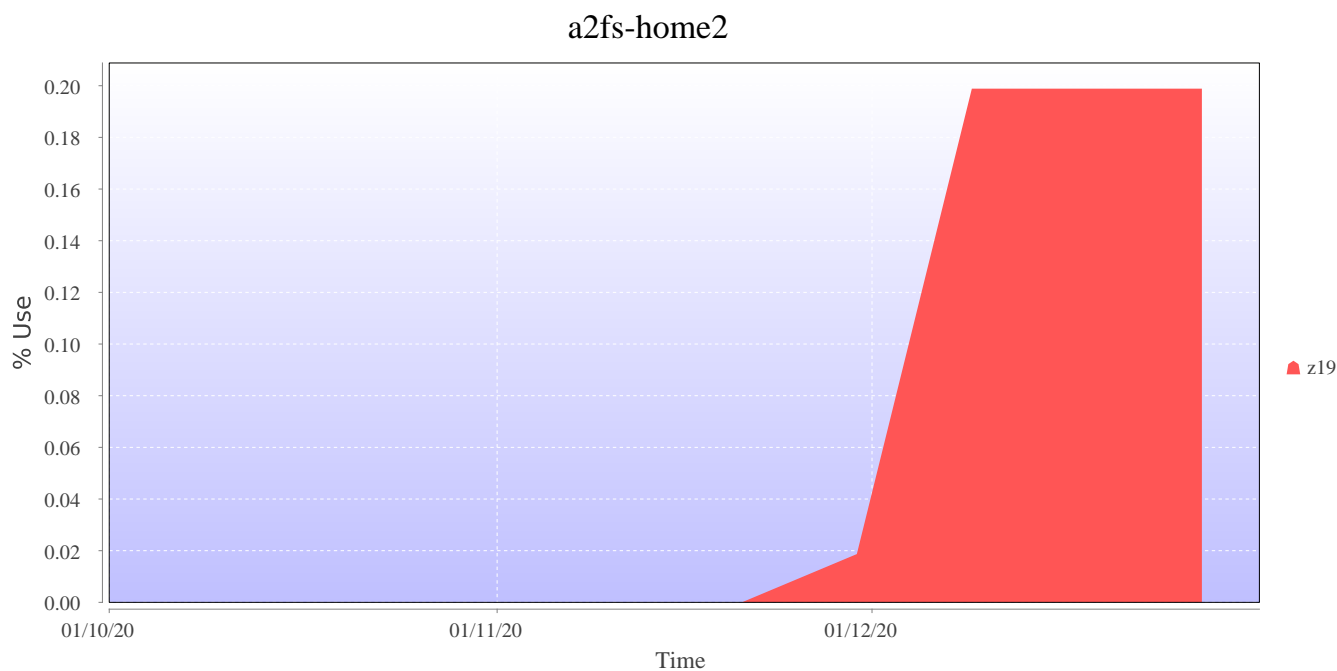
Disk usage for home (a2fs-home1)

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.



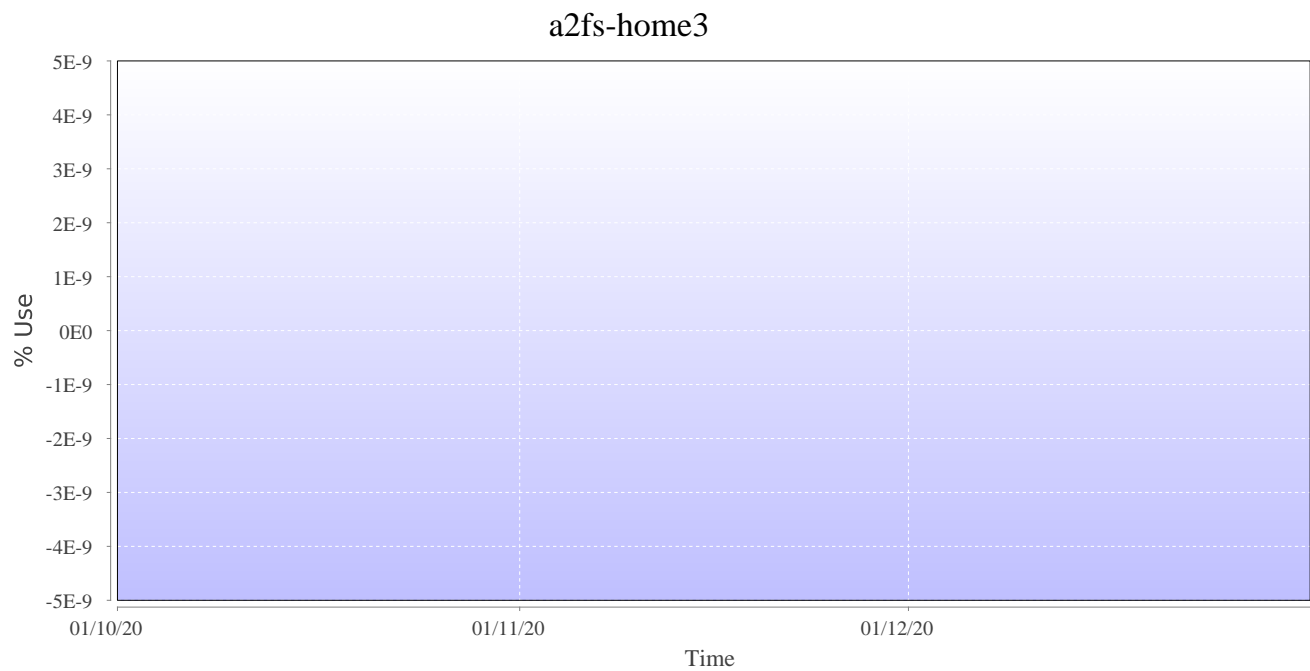
Disk usage for home (a2fs-home2)

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.



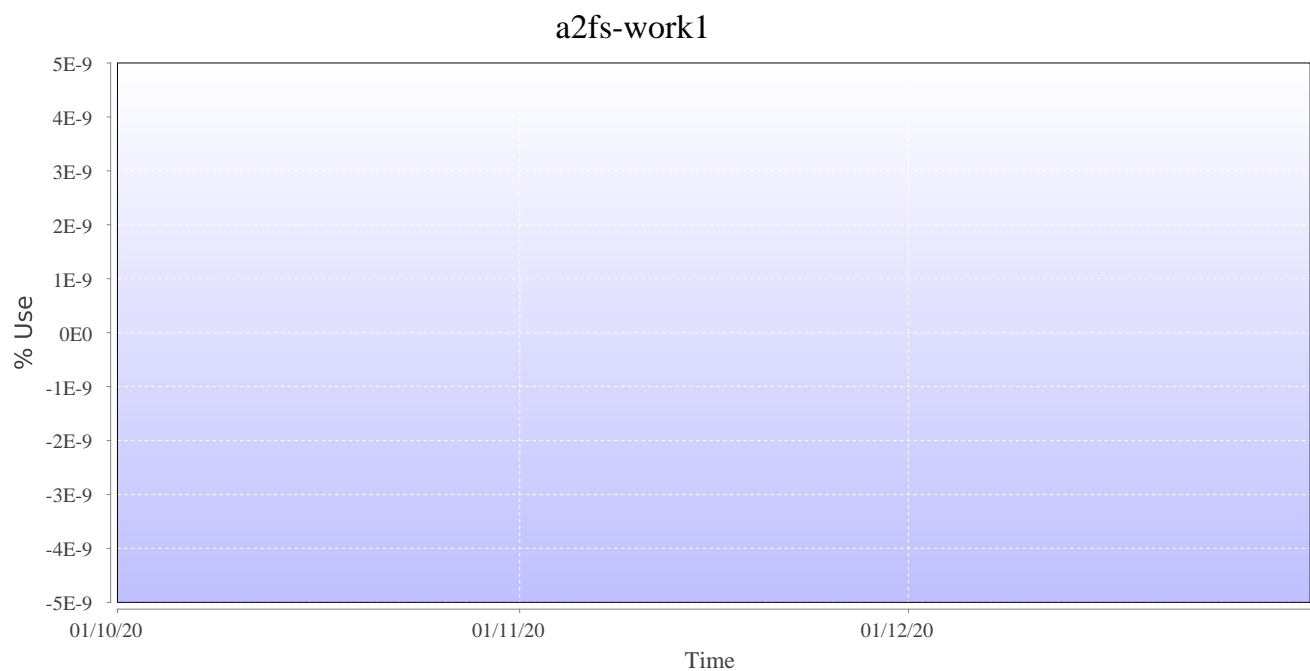
Disk usage for home (a2fs-home3)

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.



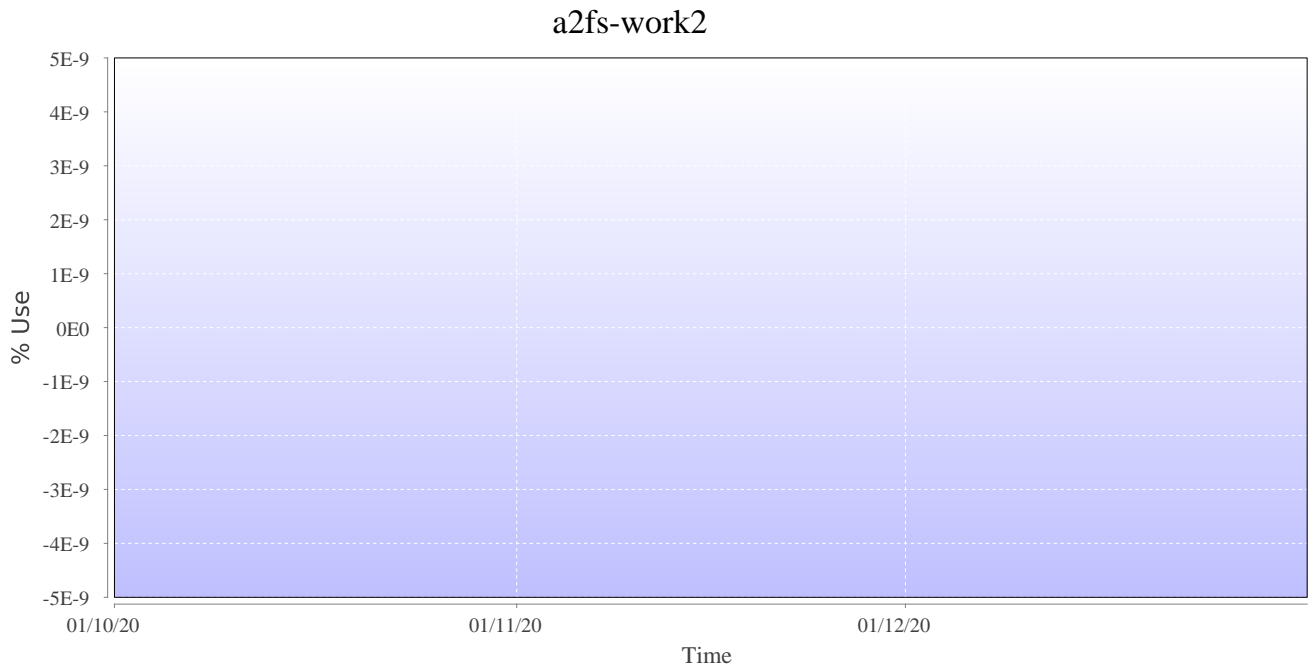
Disk usage for work (a2fs-work1)

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.



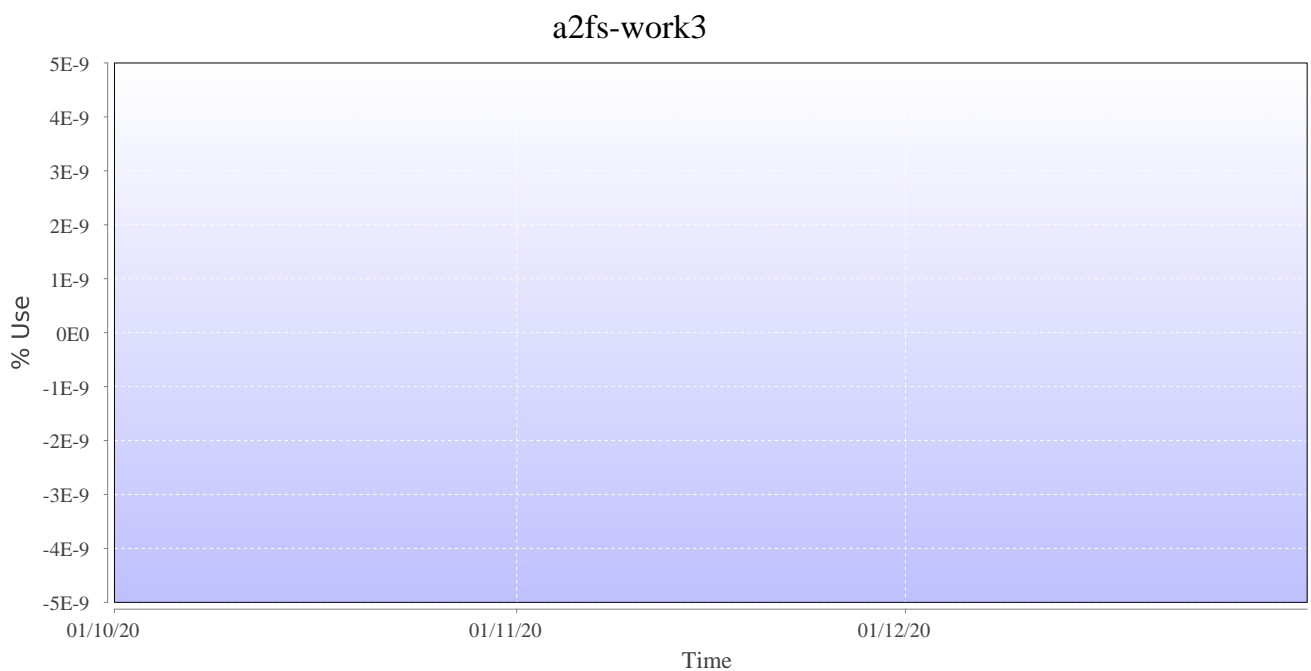
Disk usage for work (a2fs-work2)

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.



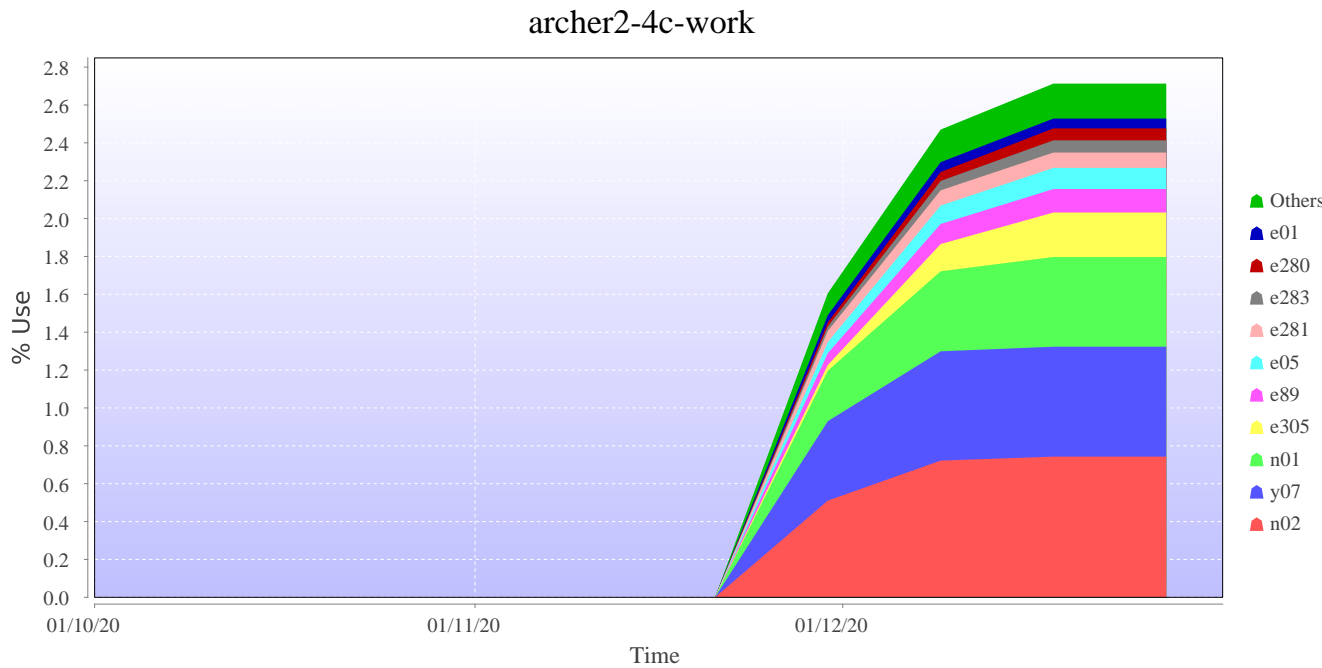
Disk usage for work (a2fs-work3)

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.



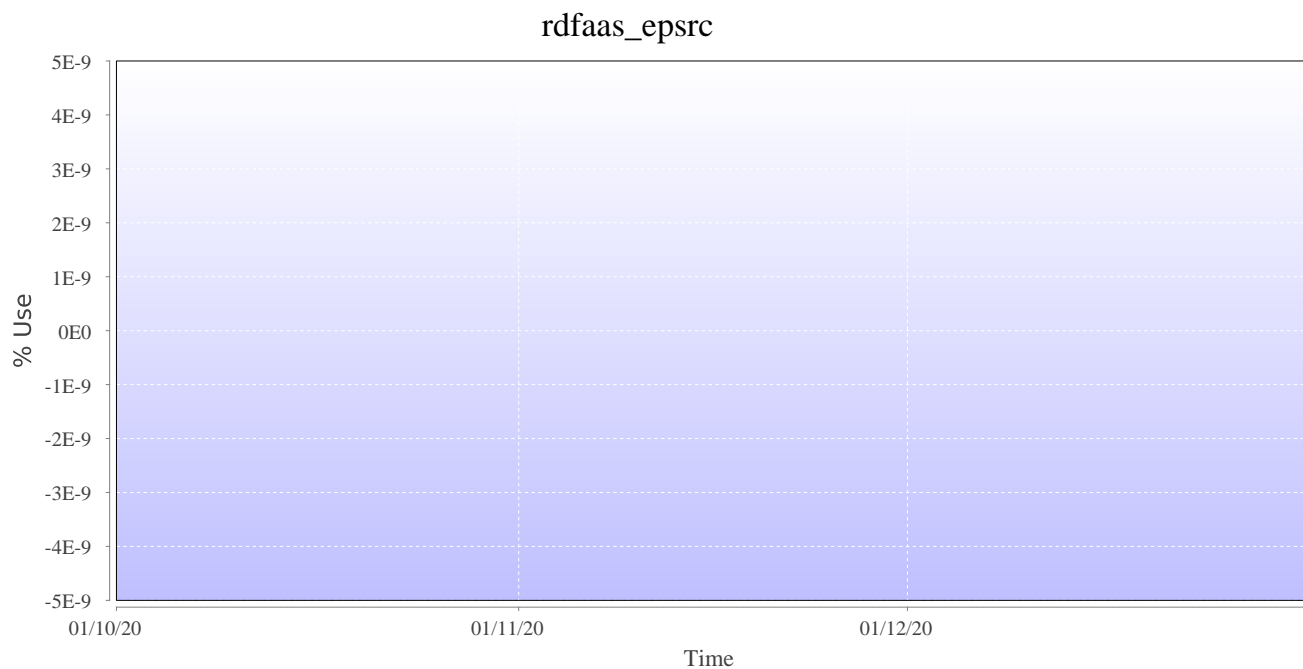
Disk usage for work-4cab (archer2-4c-work)

This is a plot of Disk Use on archer2-4c-work 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.

