Monthly Reporting

Report from 01 January 2020 to 31 March 2020

Report for Resource Pool XC on All machines

A total of 3,866,529.573 kAU 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.

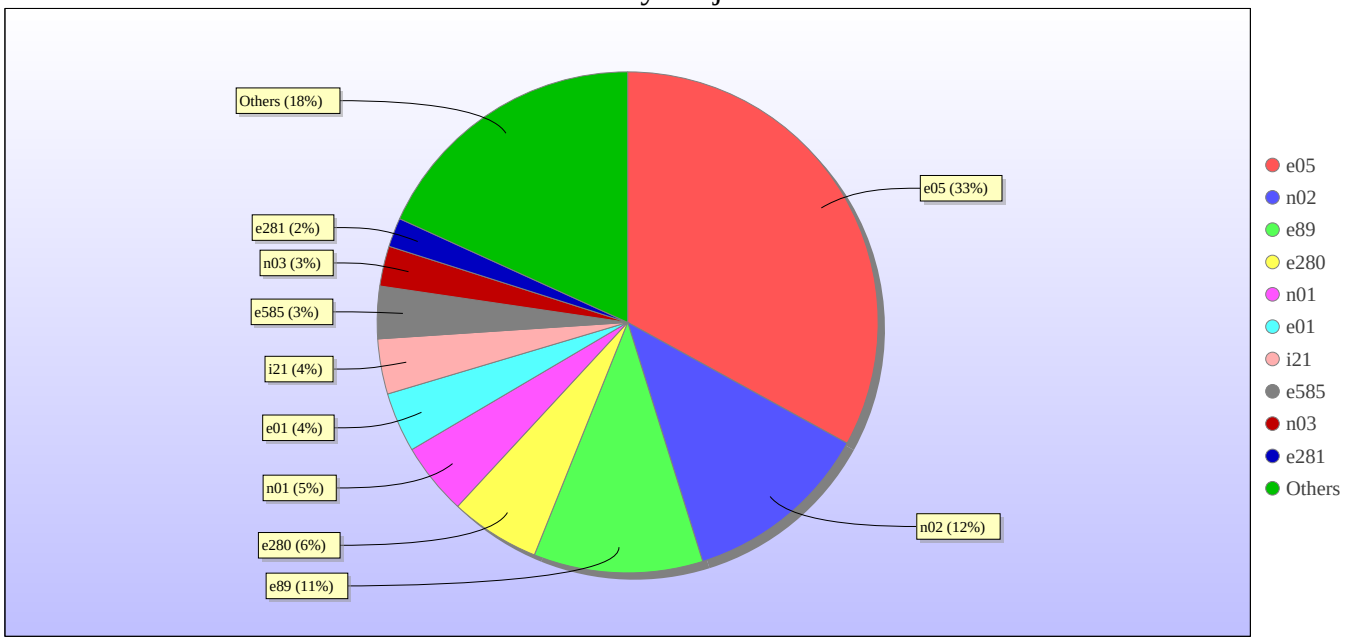
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
E635	Class1a	348	1,723.8	0.04%	2,077.8	0.05%	4,971.5	0.13%
c01	Class1a	1,814	25,560.5	0.66%	25,560.5	0.66%	39,124.5	1.01%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	17,245.0	0.45%
e432	Class1a	614	13,111.9	0.34%	13,205.3	0.34%	17,873.1	0.46%
e448	Class1a	3,408	27,525.9	0.71%	27,541.2	0.71%	74,252.5	1.92%
e451	Class1a	13	80.3	0.00%	80.3	0.00%	3,786.5	0.10%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	80.5	0.00%
e519	Class1a	16	4,423.4	0.11%	4,423.5	0.11%	13,806.2	0.36%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	2,211.5	0.06%
e530	Class1a	9	617.2	0.02%	617.2	0.02%	3,315.3	0.09%
e537	Class1a	185	6,488.5	0.17%	6,488.5	0.17%	5,561.3	0.14%
e558	Class1a	3	0.0	0.00%	0.4	0.00%	1,067.6	0.03%
e569	Class1a	160	10,668.3	0.28%	10,668.3	0.28%	3,827.3	0.10%
e572	Class1a	2,006	9,253.4	0.24%	11,491.9	0.30%	9,505.1	0.25%
e575	Class1a	224	11,155.4	0.29%	11,188.5	0.29%	8,464.0	0.22%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	1,221.2	0.03%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	7,270.7	0.19%
e588	Class1a	75	11,356.2	0.29%	11,356.2	0.29%	8,948.8	0.23%
e606	Class1a	438	27,158.7	0.70%	27,158.7	0.70%	22,408.8	0.58%
e607	Class1a	837	54,938.2	1.42%	55,917.1	1.45%	34,792.8	0.90%
e608	Class1a	152	9,014.4	0.23%	14,477.6	0.37%	9,943.1	0.26%
e609	Class1a	1,743	16,839.8	0.44%	16,839.8	0.44%	25,349.0	0.66%
e610	Class1a	56	10,315.6	0.27%	10,316.2	0.27%	19,220.3	0.50%
e613	Class1a	33	692.6	0.02%	699.4	0.02%	1,988.6	0.05%
e627	Class1a	386	6,700.9	0.17%	6,700.9	0.17%	21,987.5	0.57%
e630	Class1a	178	18,717.4	0.48%	18,804.0	0.49%	13,643.8	0.35%
e637	Class1a	34	709.9	0.02%	709.9	0.02%	7,457.3	0.19%
e642	Class1a	14	917.3	0.02%	918.0	0.02%	21,232.1	0.55%
e643	Class1a	10	412.3	0.01%	412.3	0.01%	20,908.6	0.54%
e645	Class1a	107	2,401.8	0.06%	2,401.8	0.06%	11,967.2	0.31%
e647	Class1a	979	21,040.5	0.54%	20,889.4	0.54%	15,748.9	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	12,180.8	0.32%
e649	Class1a	4	0.1	0.00%	0.1	0.00%	7,455.6	0.19%
e651	Class1a	171	1,451.0	0.04%	1,451.0	0.04%	6,046.6	0.16%
e655	Class1a	14	923.6	0.02%	923.6	0.02%	942.1	0.02%
e01	Consortia	1,496	120,786.3	3.12%	131,301.9	3.40%	213,866.0	5.53%
e05	Consortia	32,440	911,558.6	23.58%	1,122,375.7	29.03%	678,070.5	17.54%
e89	Consortia	16,838	355,283.9	9.19%	371,103.4	9.60%	352,518.4	9.12%
e280	Consortia	3,302	189,086.5	4.89%	197,172.4	5.10%	169,946.6	4.40%
e281	Consortia	1,788	60,502.1	1.56%	63,761.9	1.65%	72,899.1	1.89%
e283	Consortia	3,903	48,618.6	1.26%	49,121.0	1.27%	55,531.5	1.44%

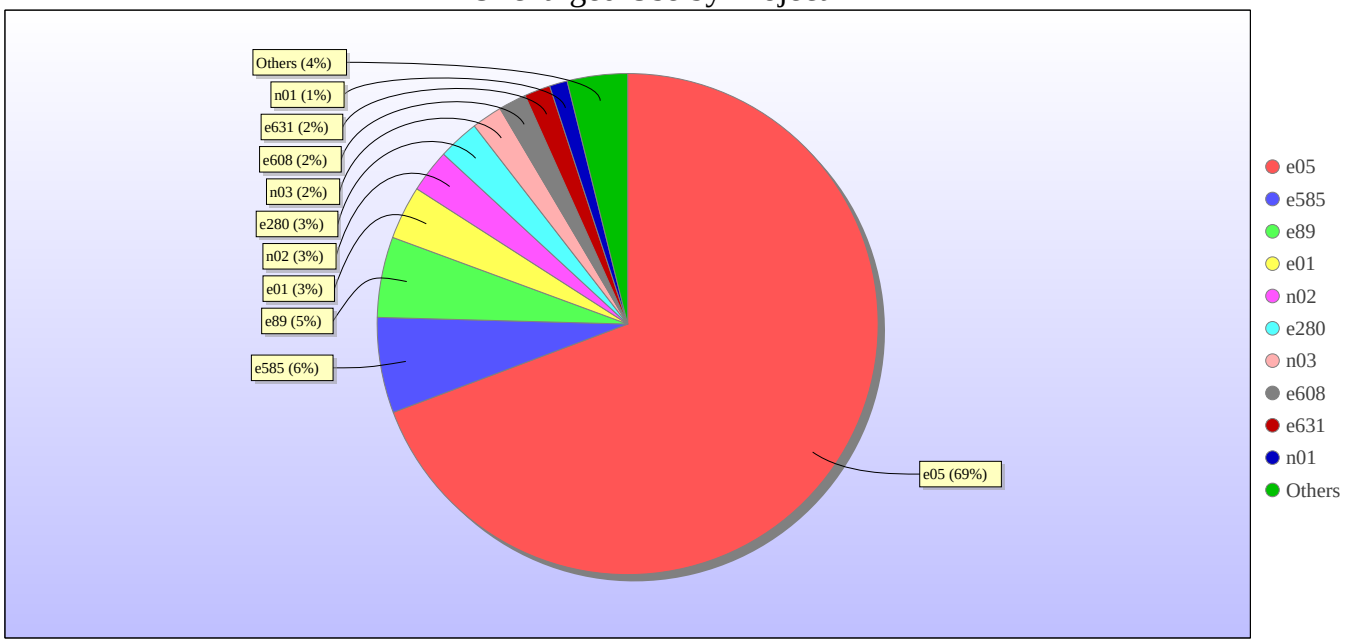
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e305	Consortia	1,621	33,294.0	0.86%	33,938.9	0.88%	120,497.9	3.12%
e585	Consortia	1,395	95,918.0	2.48%	114,671.1	2.97%	86,982.0	2.25%
e658	Consortia	0	0.0	0.00%	0.0	0.00%	5,518.2	0.14%
e348	Direct Access: ARCHER RAP	750	12,649.1	0.33%	12,742.2	0.33%	20,089.9	0.52%
e582	Direct Access: ARCHER RAP	81	2,947.0	0.08%	2,947.0	0.08%	1,386.6	0.04%
e590	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,052.3	0.10%
e614	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	882.2	0.02%
e616	Direct Access: ARCHER RAP	301	4,289.7	0.11%	4,289.7	0.11%	1,791.5	0.05%
e619	Direct Access: ARCHER RAP	57	7,996.0	0.21%	7,996.0	0.21%	946.6	0.02%
e622	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,817.7	0.10%
e638	Direct Access: ARCHER RAP	4	195.4	0.01%	195.4	0.01%	1,431.7	0.04%
e639	Direct Access: ARCHER RAP	59	9,718.5	0.25%	9,718.5	0.25%	1,601.1	0.04%
e640	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	9,036.9	0.23%
e641	Direct Access: ARCHER RAP	58	127.2	0.00%	127.2	0.00%	5,112.7	0.13%
e632	Instant Access	5,954	692.1	0.02%	746.8	0.02%	322.9	0.01%
e646	Instant Access	1	11.7	0.00%	11.7	0.00%	593.2	0.02%
e650	Instant Access	26	353.6	0.01%	579.1	0.01%	398.4	0.01%
e652	Instant Access	0	0.0	0.00%	0.0	0.00%	599.9	0.02%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	395.5	0.01%
e656	Instant Access	32	1,180.6	0.03%	1,180.6	0.03%	329.5	0.01%
e657	Instant Access	85	402.5	0.01%	402.5	0.01%	51.6	0.00%
ecse1321	eCSE	51	82.6	0.00%	82.6	0.00%	55.2	0.00%
e612	Training	274	2,029.0	0.05%	2,060.8	0.05%	5,615.2	0.15%
e631	Training	34	7.4	0.00%	5,110.5	0.13%	5,958.0	0.15%
e644	Training	1,161	5,206.0	0.13%	5,831.1	0.15%	6,709.5	0.17%
e654	Training	185	1,033.4	0.03%	1,288.8	0.03%	5,369.4	0.14%
EPSRC Total		85,927	2,158,168.8	55.82%	2,442,076.5	63.16%	2,308,183.4	59.70%
n01	Consortia	10,122	159,165.8	4.12%	158,175.3	4.09%	355,328.1	9.19%
n02	Consortia	68,828	405,987.7	10.50%	412,969.0	10.68%	475,464.0	12.30%
n03	Consortia	4,085	82,135.3	2.12%	88,143.9	2.28%	229,692.8	5.94%
NERC Total		83,035	647,288.8	16.74%	659,288.2	17.05%	1,060,484.9	27.43%
e621	Leadership Awards	294	20,405.2	0.53%	20,421.8	0.53%	16,646.5	0.43%
e568	Research	16	554.5	0.01%	581.2	0.02%	11,362.4	0.29%
BBSRC Total		310	20,959.7	0.54%	21,003.0	0.54%	28,008.9	0.72%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	8.3	0.00%
pr1u1551	DECI: EXEC	20	599.7	0.02%	599.7	0.02%	22,216.0	0.57%
pr1u1552	DECI: EXEC	148	4,965.0	0.13%	4,965.0	0.13%	8,743.1	0.23%
pr1u1553	DECI: EXEC	257	6,736.7	0.17%	6,736.7	0.17%	29,377.8	0.76%
pr1u1554	DECI: EXEC	897	1,479.1	0.04%	1,602.8	0.04%	1,734.0	0.04%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1503	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,608.4	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1506	DECI: HOME	131	23,925.2	0.62%	23,925.2	0.62%	4,767.2	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
PRACE Total		1,453	37,705.7	0.98%	37,829.4	0.98%	68,455.7	1.77%
ecse0910	eCSE	149	0.1	0.00%	0.1	0.00%	141.3	0.00%
ecse1303	eCSE	0	0.0	0.00%	0.0	0.00%	46.3	0.00%
ecse1307	eCSE	11	34.6	0.00%	34.6	0.00%	46.3	0.00%
eCSE Total		160	34.7	0.00%	34.7	0.00%	233.9	0.01%
d43	ECDF	85	958.8	0.02%	958.8	0.02%	599.9	0.02%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d56	Research	2,124	21,673.9	0.56%	21,707.0	0.56%	19,920.9	0.52%
d88	Research	19	0.2	0.00%	0.2	0.00%	1.7	0.00%
d114	Research	3,016	36,410.0	0.94%	36,507.7	0.94%	42,065.1	1.09%
d118	Research	697	293.7	0.01%	293.7	0.01%	1,328.1	0.03%
d137	Research	2,690	15,731.0	0.41%	15,731.0	0.41%	8,613.5	0.22%
d142	Research	47	1,481.7	0.04%	2,963.2	0.08%	2,158.1	0.06%
d143	Research	149	4,742.9	0.12%	4,742.9	0.12%	3,727.8	0.10%
d150	Research	163	9,190.8	0.24%	9,190.8	0.24%	4,249.0	0.11%
d155	Research	1,037	13,984.7	0.36%	14,126.1	0.37%	8,300.4	0.21%
d170	Research	15	0.0	0.00%	0.0	0.00%	2.5	0.00%
d153	Industrial	536	932.3	0.02%	933.5	0.02%	664.0	0.02%
i01	Industrial	11	1,328.7	0.03%	1,328.7	0.03%	1,826.1	0.05%
i18	Industrial	53	8,542.9	0.22%	8,734.8	0.23%	4,499.0	0.12%
i21	Industrial	6,788	121,385.2	3.14%	121,125.3	3.13%	49,704.0	1.29%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	4,998.9	0.13%
d171	Training	264	346.0	0.01%	313.6	0.01%	3,320.2	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	5.0	0.00%
z99	Service	69	0.9	0.00%	0.9	0.00%	5.0	0.00%
DirectorsTime Total		17,763	237,003.6	6.13%	238,658.1	6.17%	155,989.0	4.03%
y14	Training	113	156.2	0.00%	104.3	0.00%	497.0	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	50.0	0.00%
y02	Service	0	0.0	0.00%	0.0	0.00%	249.9	0.01%
y07	Service	37	0.0	0.00%	0.0	0.00%	186.4	0.00%
z02	Service	4	0.0	0.00%	0.0	0.00%	12.4	0.00%
z19	Service	635	910.2	0.02%	913.3	0.02%	7,117.7	0.18%
CSE Total		789	1,066.4	0.03%	1,017.6	0.03%	8,113.5	0.21%
w20	Service	0	0.0	0.00%	0.0	0.00%	588.2	0.02%
Internal Total		0	0.0	0.00%	0.0	0.00%	588.2	0.02%
Total		189,437	3,102,227.6	80.23%	3,399,907.5	87.93%	3,630,057.4	93.88%

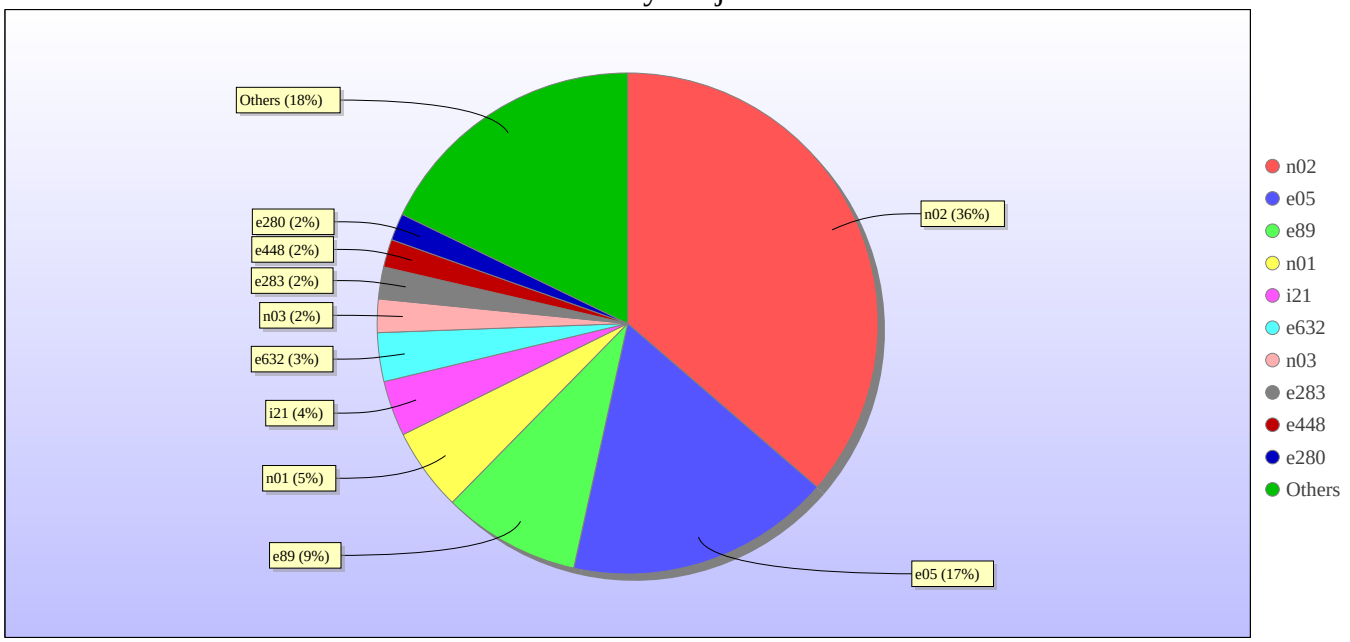
Use by Project



Uncharged Use by Project



Jobs by Project

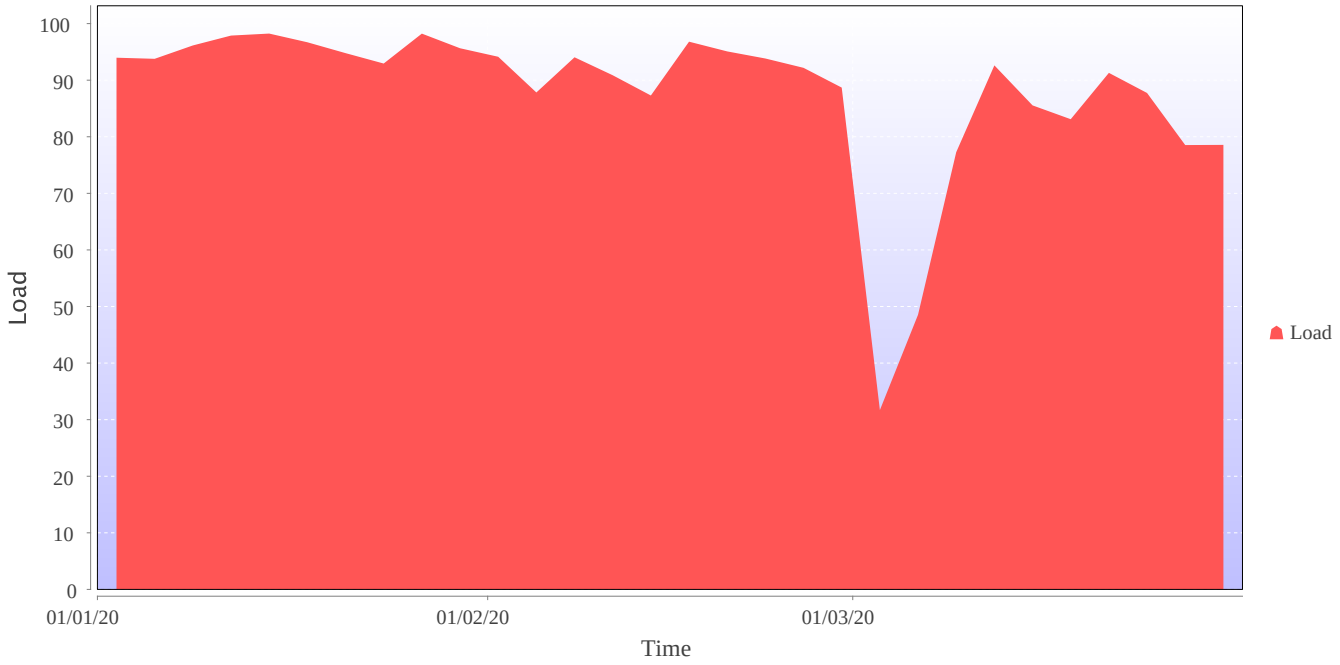


kAUs (by Size)

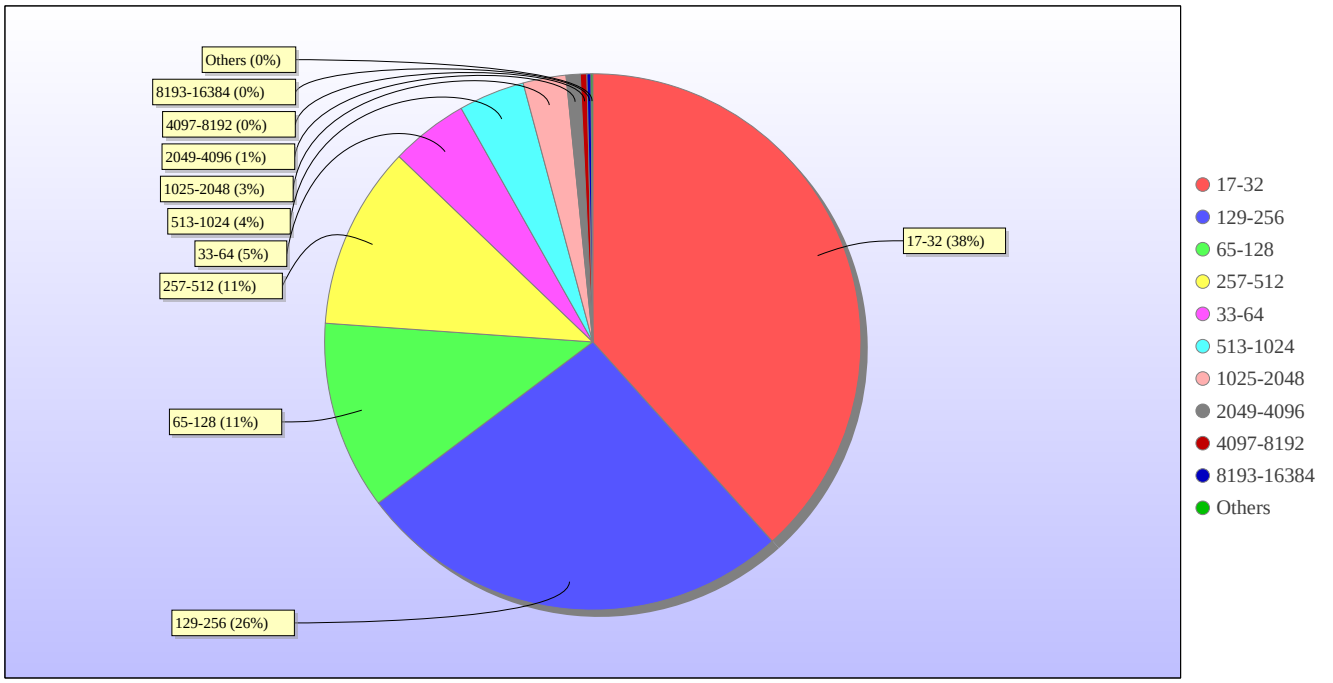
Size	kAUs	Number of Jobs
17-32	32,586.397	72,610
33-64	32,526.608	8,870
65-128	168,589.98	21,536
129-256	643,805.727	50,023
257-512	624,719.793	20,907
513-1024	478,677.174	7,541
1025-2048	456,621.47	4,901
2049-4096	283,990.676	1,611
4097-8192	148,298.359	753
8193-16384	132,849.175	462
16385-32768	42,922.53	123

Size	kAUs	Number of Jobs
32769-65536	26,071.892	47
65537-131072	10,518.739	26

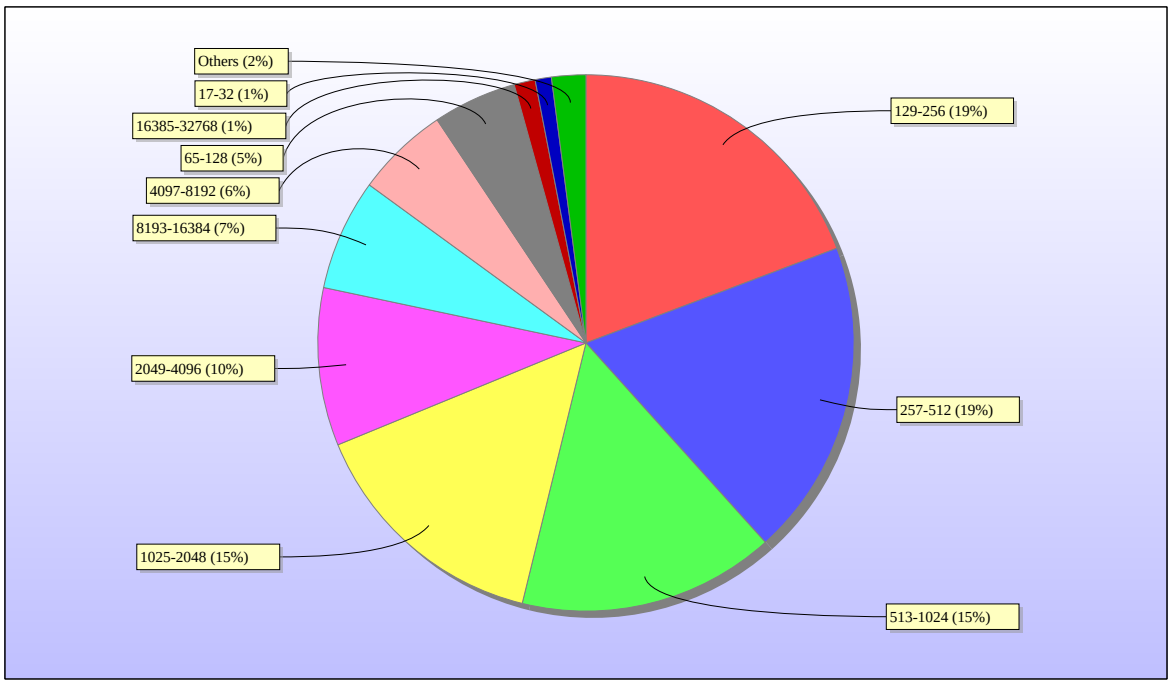
Load plots



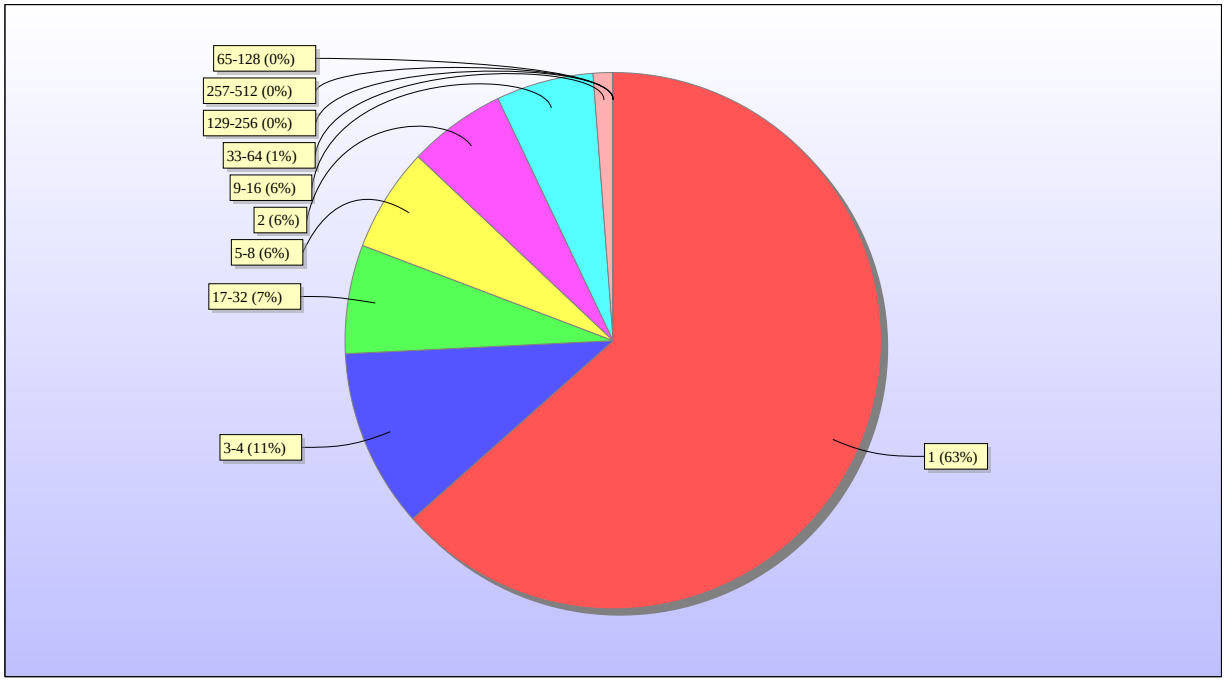
Percentage load on machine



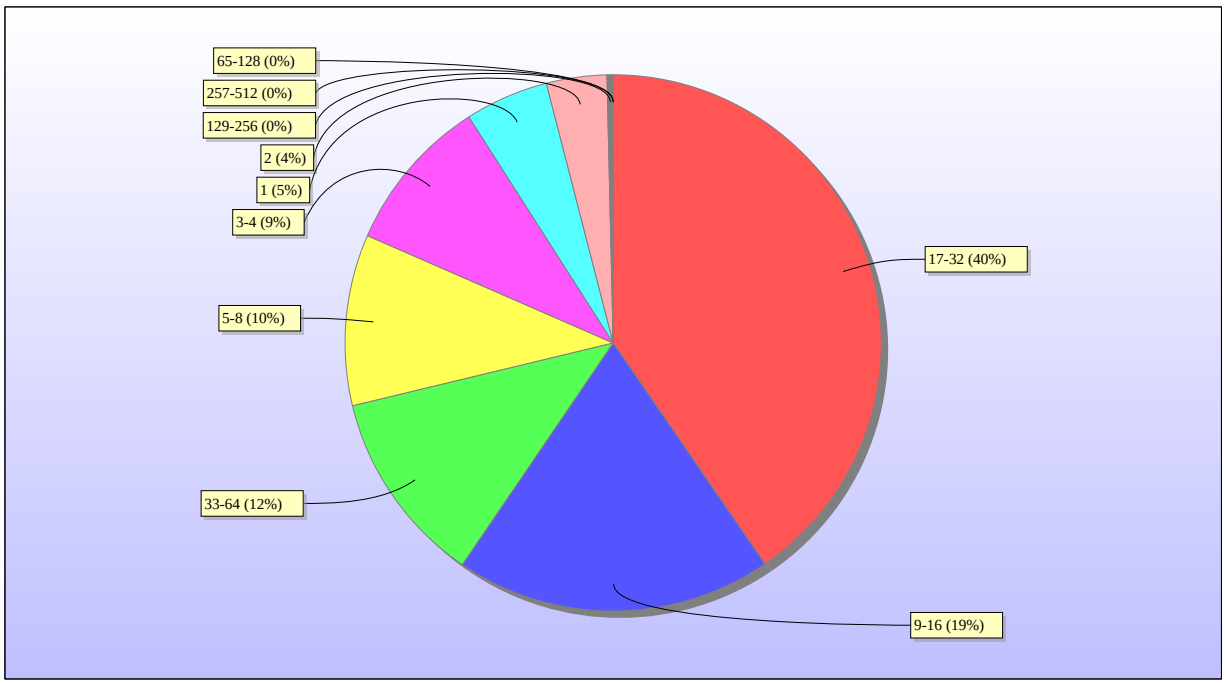
Jobs by Size



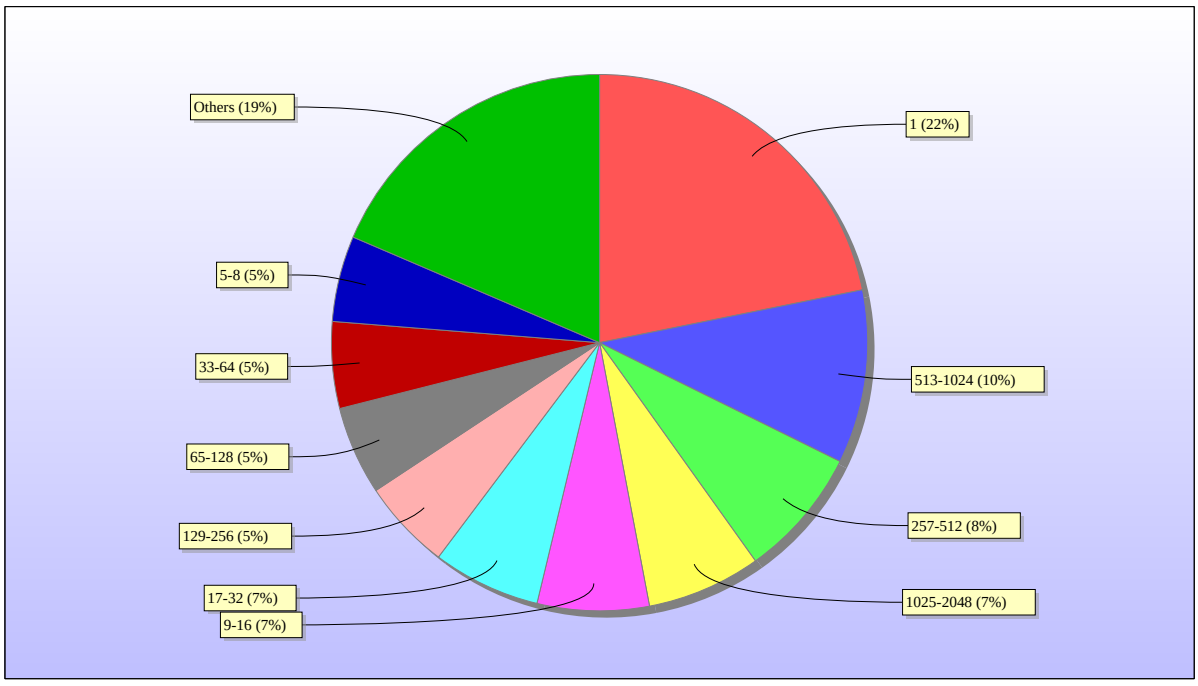
kAUs used by Size



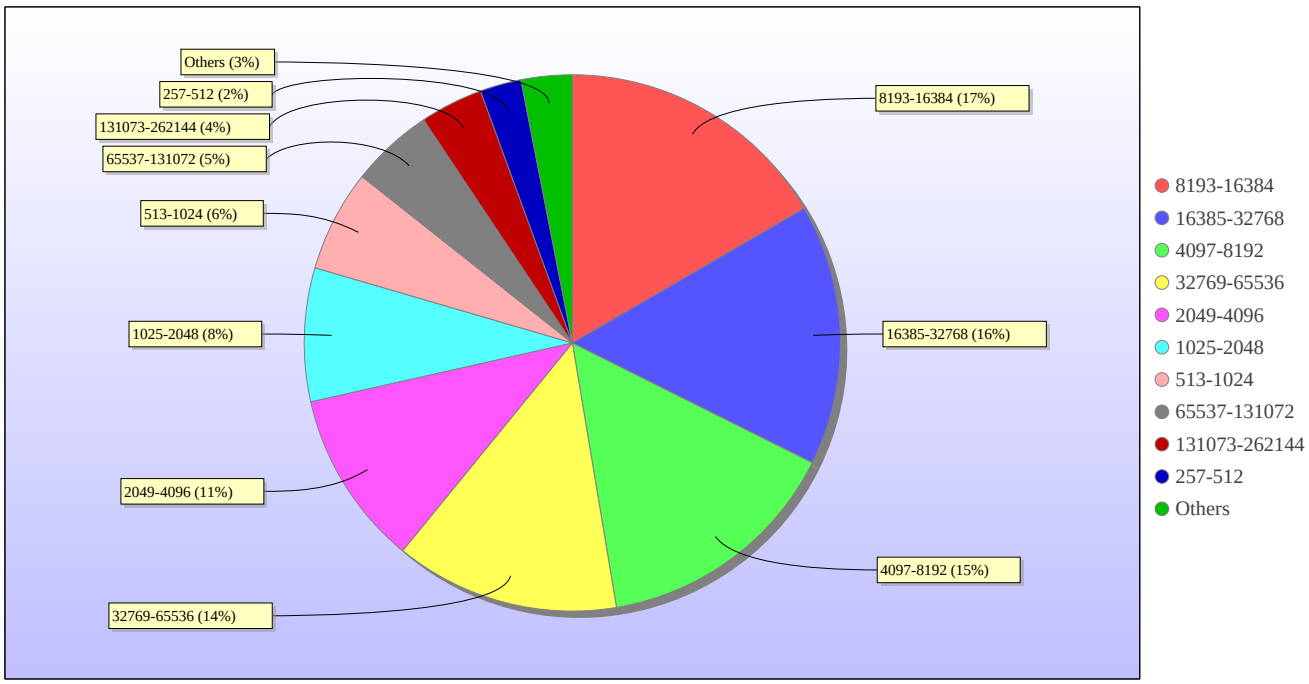
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours



kAUs used grouped by core-hours

Report for Resource Pool RDF on All machines

A total of 0 kAU were available during this period.

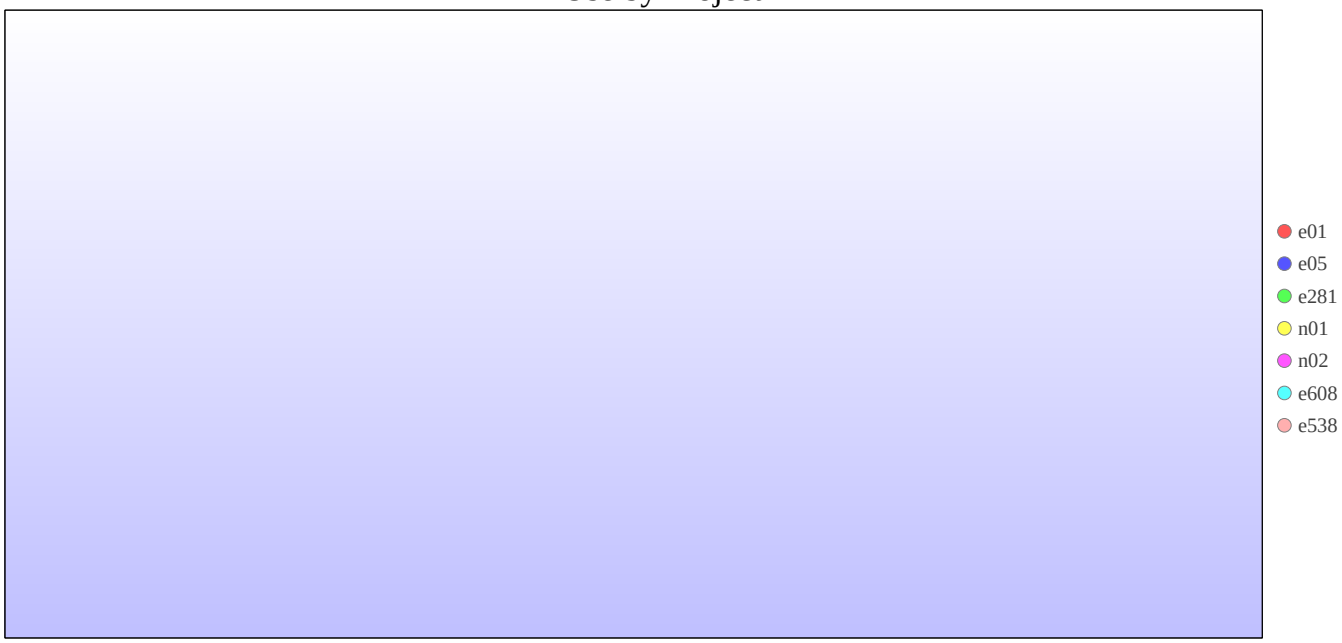
Use and Allocations (by Project)

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.

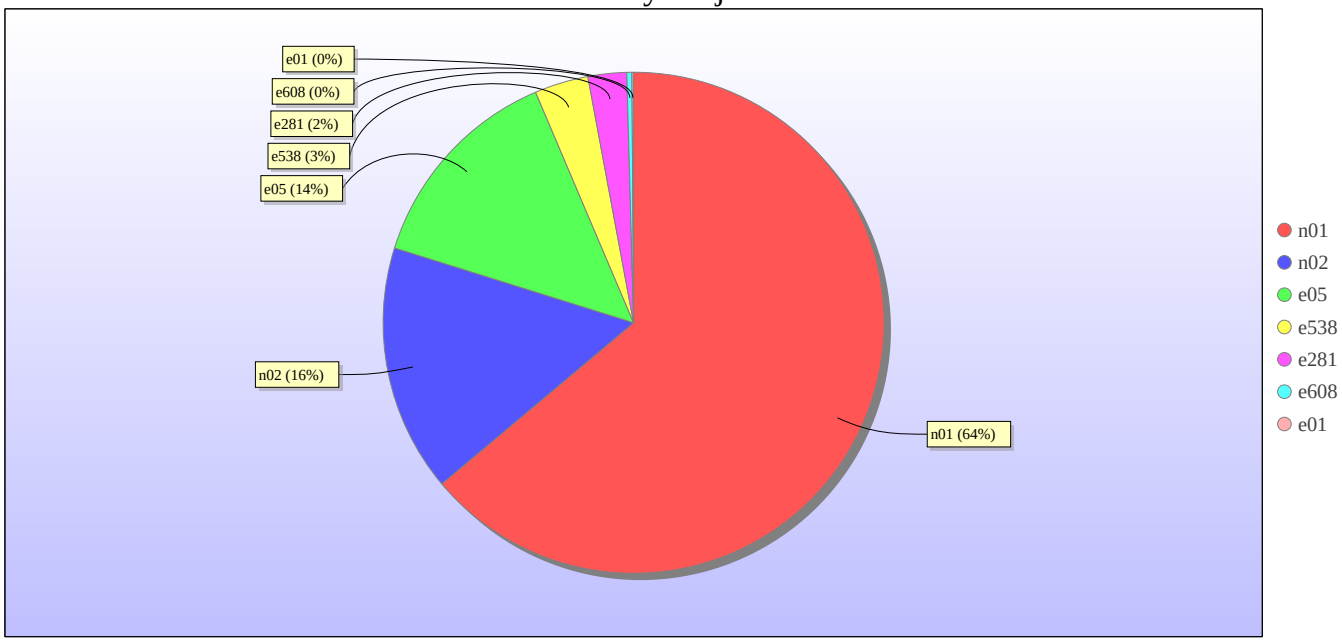
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e608	Class1a	3	0.0		0.0		0.0	
e01	Consortia	1	0.0		0.0		0.0	
e05	Consortia	127	0.0		0.0		0.0	
e281	Consortia	23	0.0		0.0		0.0	
e538	Training	32	0.0		0.0		0.0	
EPSRC Total		186	0.0		0.0		0.0	
n01	Consortia	589	0.0		0.0		0.0	
n02	Consortia	147	0.0		0.0		0.0	
NERC Total		736	0.0		0.0		0.0	
Total		922	0.0	0	0.0	0	0.0	0

Use by Project



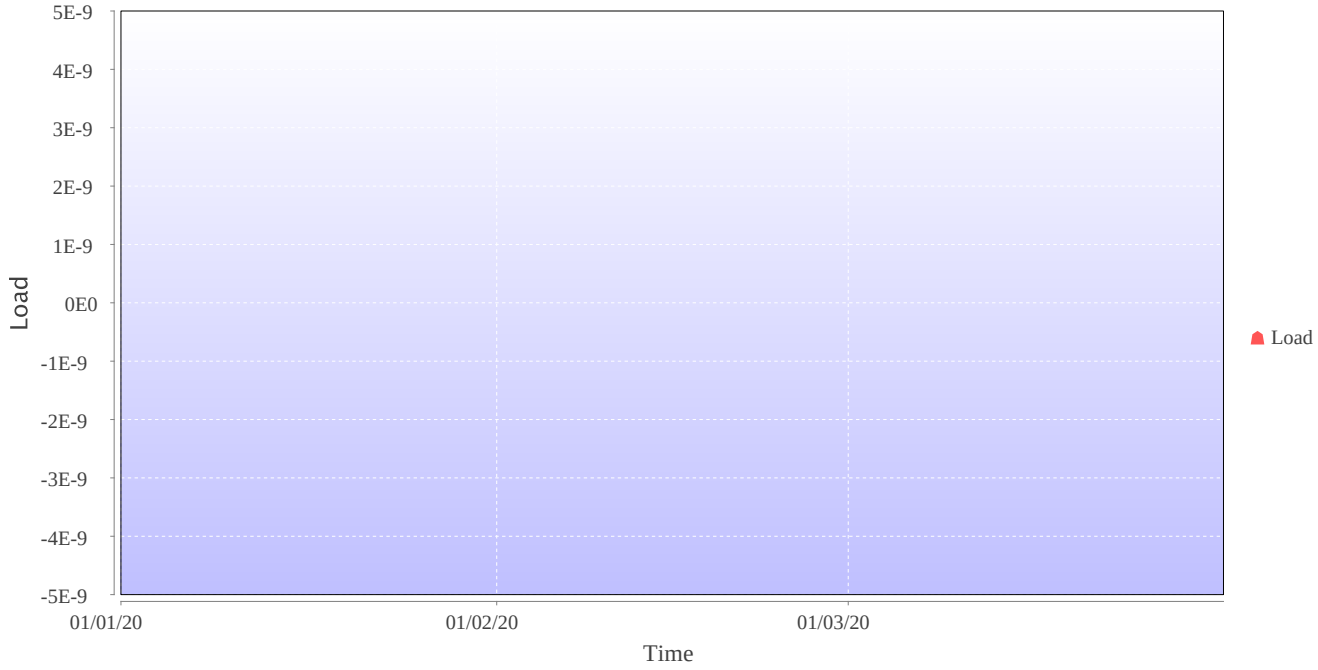
Jobs by Project



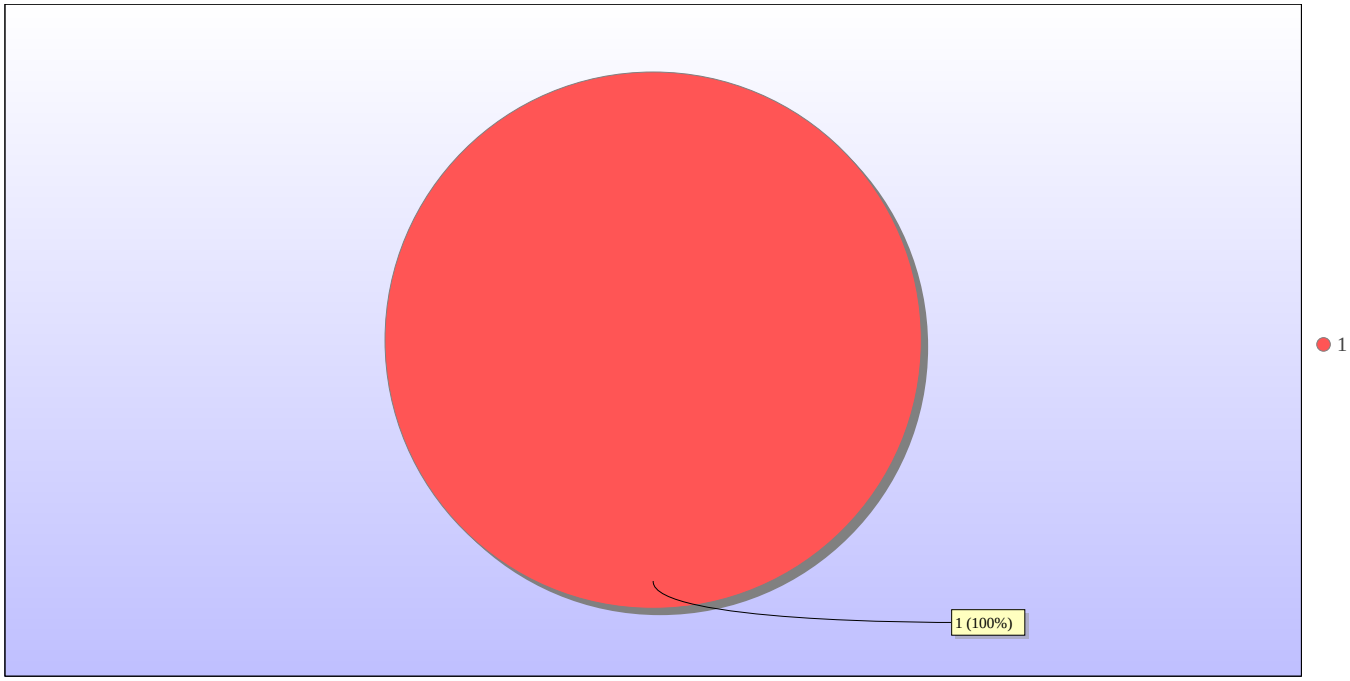
kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	922

Load plots

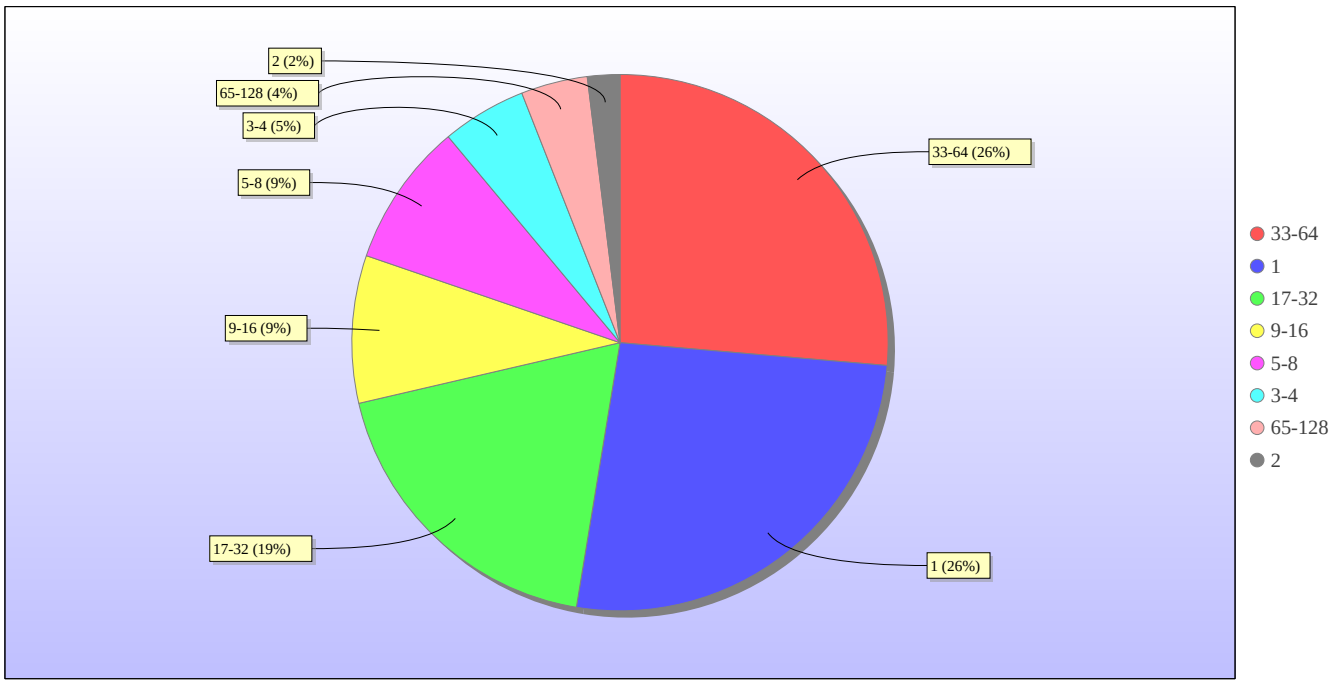


Percentage load on machine



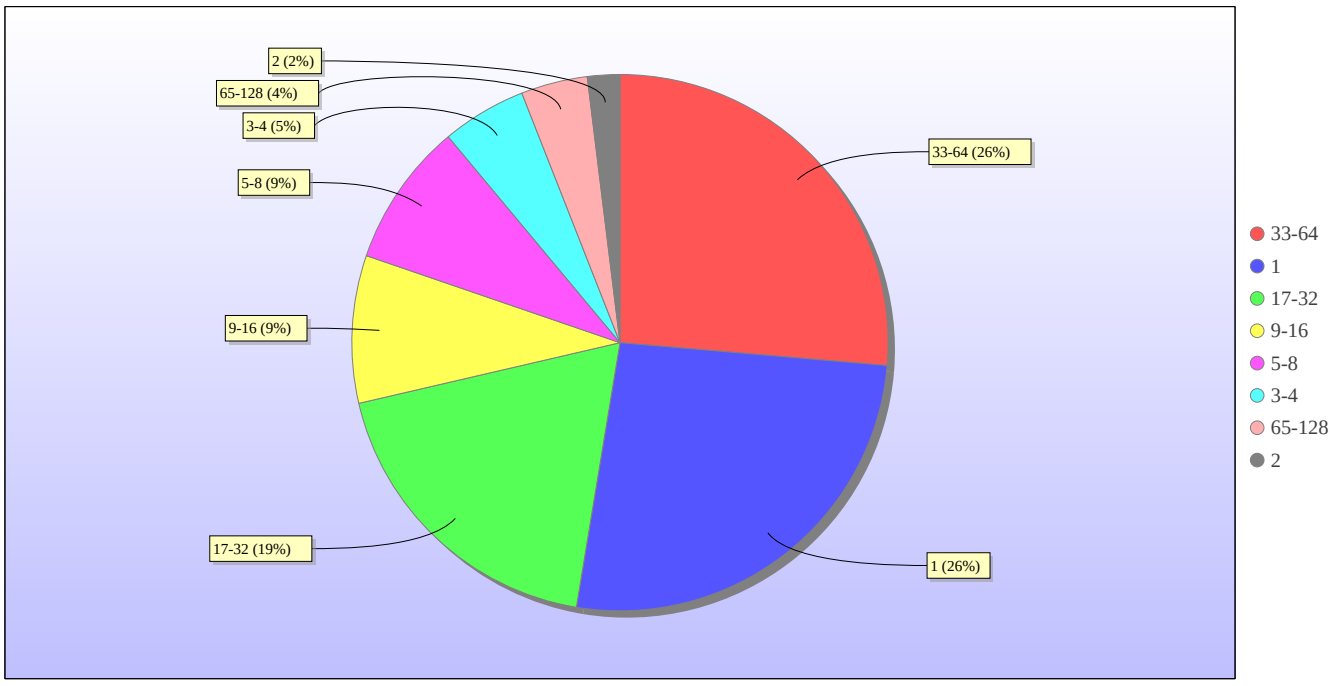
Jobs by Size

kAUs used by Size



Jobs grouped by wall-clock-hours

kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

kAUs used grouped by core-hours

Report for Resource Pool Bede on All machines

A total of 0 kAU 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.

Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation	Project	Project Class
0	0.0	0	0.0	0	0.0	0	Total	

kAUs (by Size)

Load plots

Report for Resource Pool KNL on All machines

A total of 0 kAU were available during this period.

Use and Allocations (by Project)

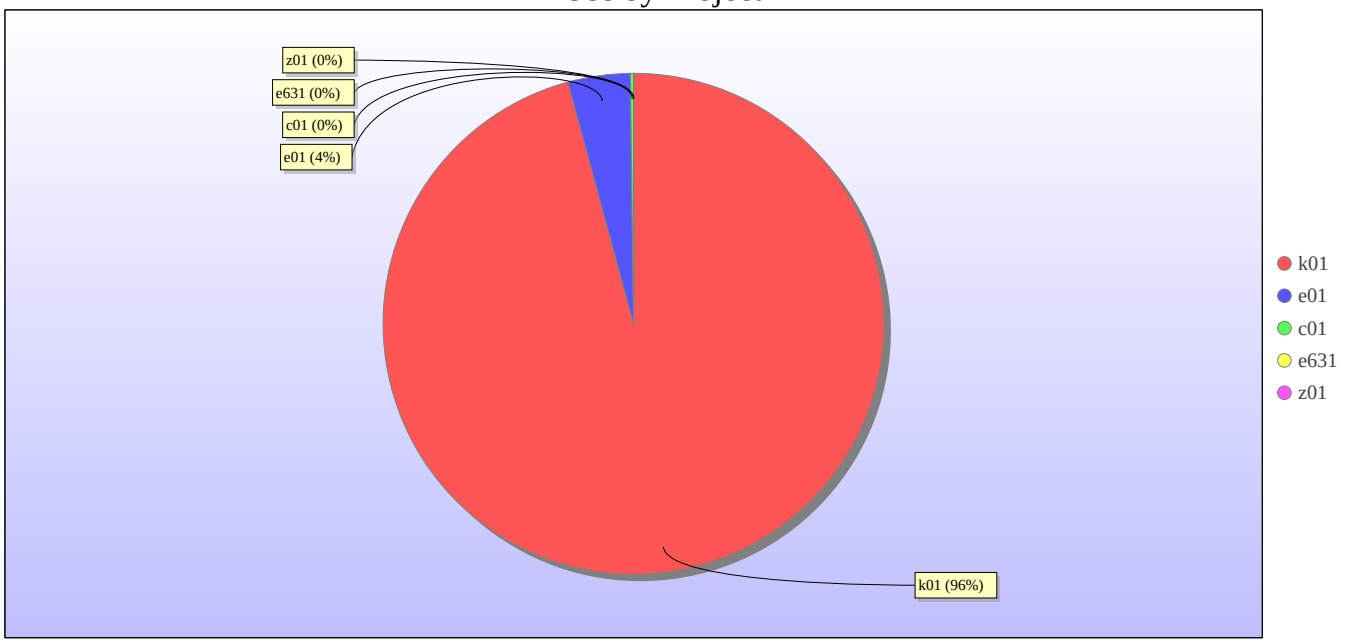
In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

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

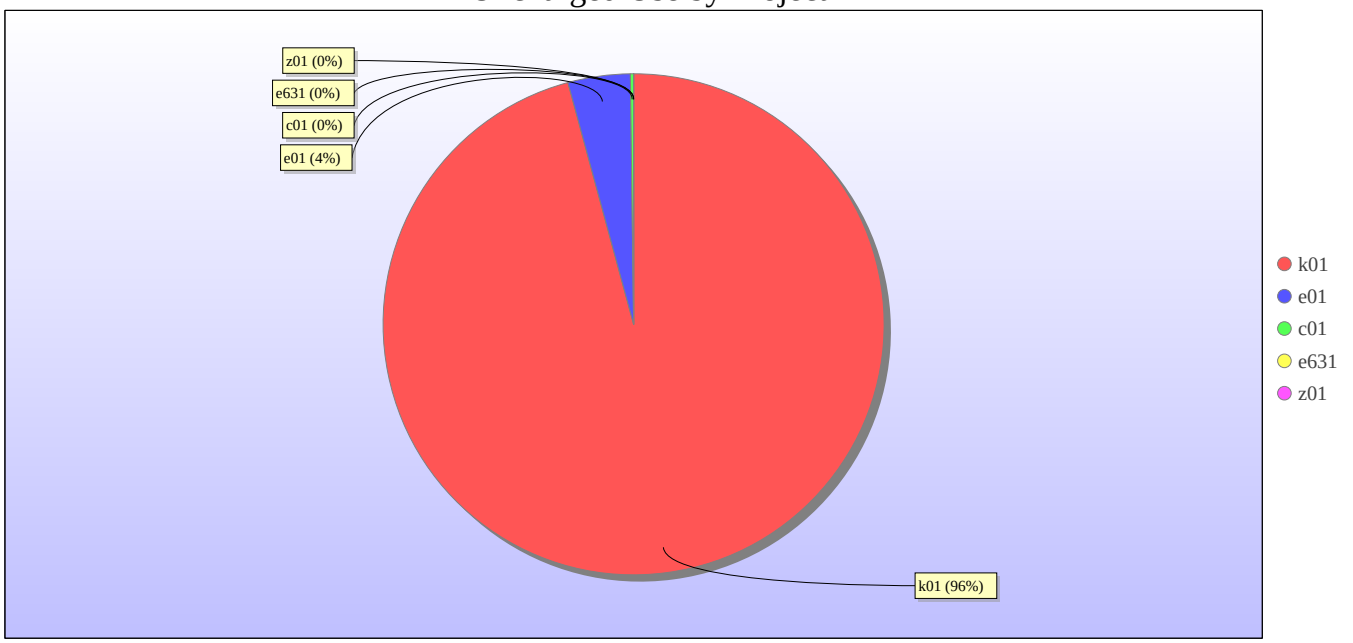
linear spend profile of the total Allocation. If the usage for a project is not linear across the full Allocation period the the Use can be larger than the extrapolated Allocation.

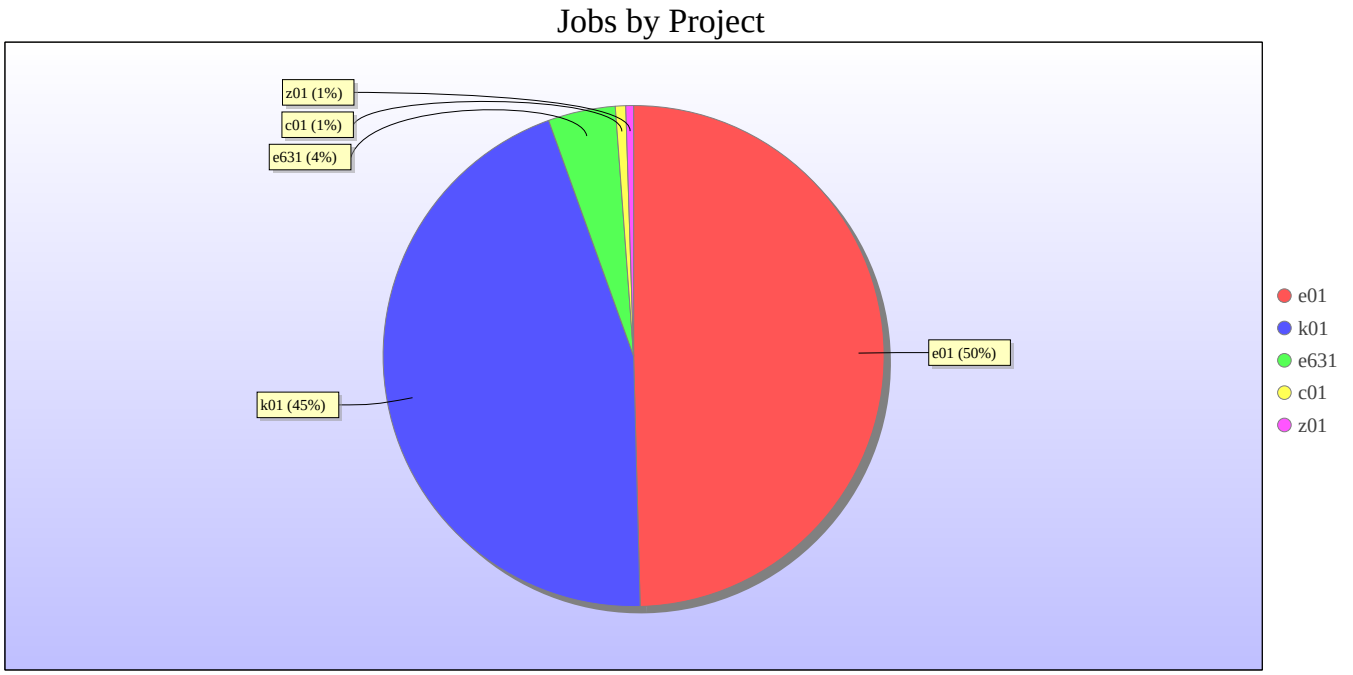
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
c01	Class1a	4	0.0		8.7		0.0	
e01	Consortia	297	0.0		169.8		0.0	
e631	Training	26	0.0		0.1		0.0	
k01	Service	269	0.0		4,049.4		0.0	
EPSRC Total		596	0.0		4,228.0		0.0	
z01	Service	3	0.0		0.0		0.0	
CSE Total		3	0.0		0.0		0.0	
Total		599	0.0	0	4,228.0	0	0.0	0

Use by Project



Uncharged Use by Project

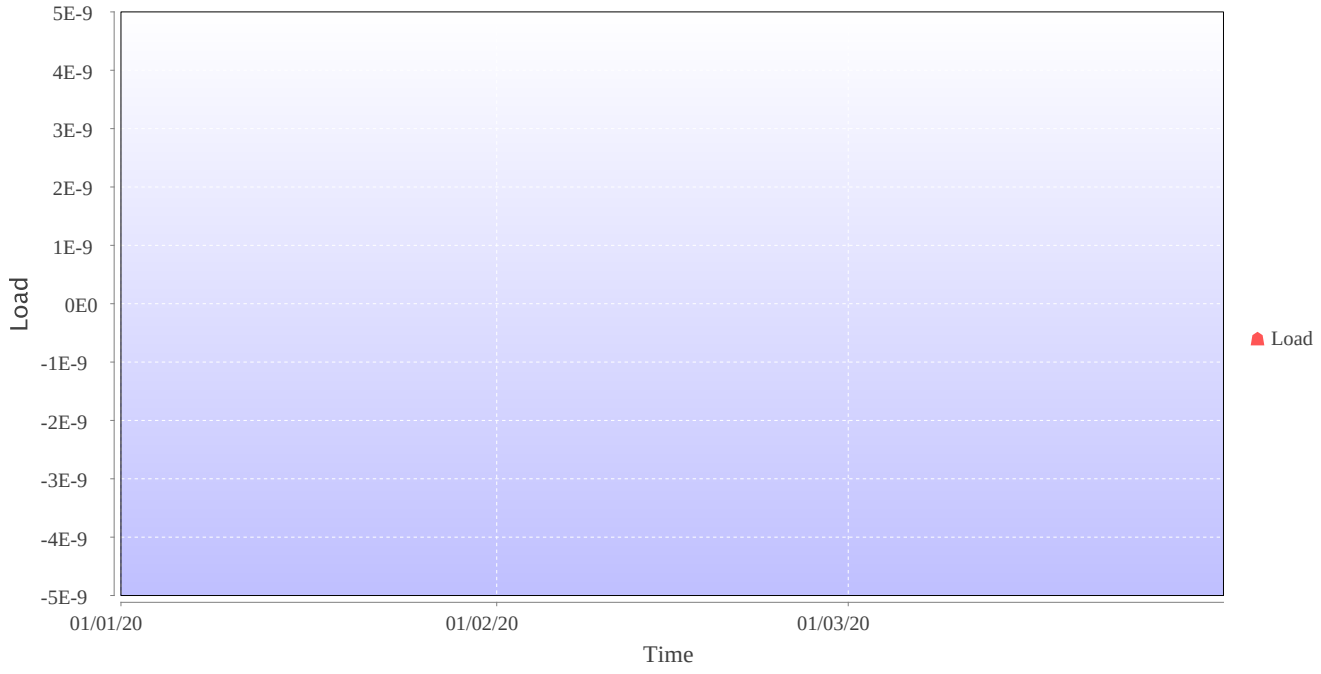




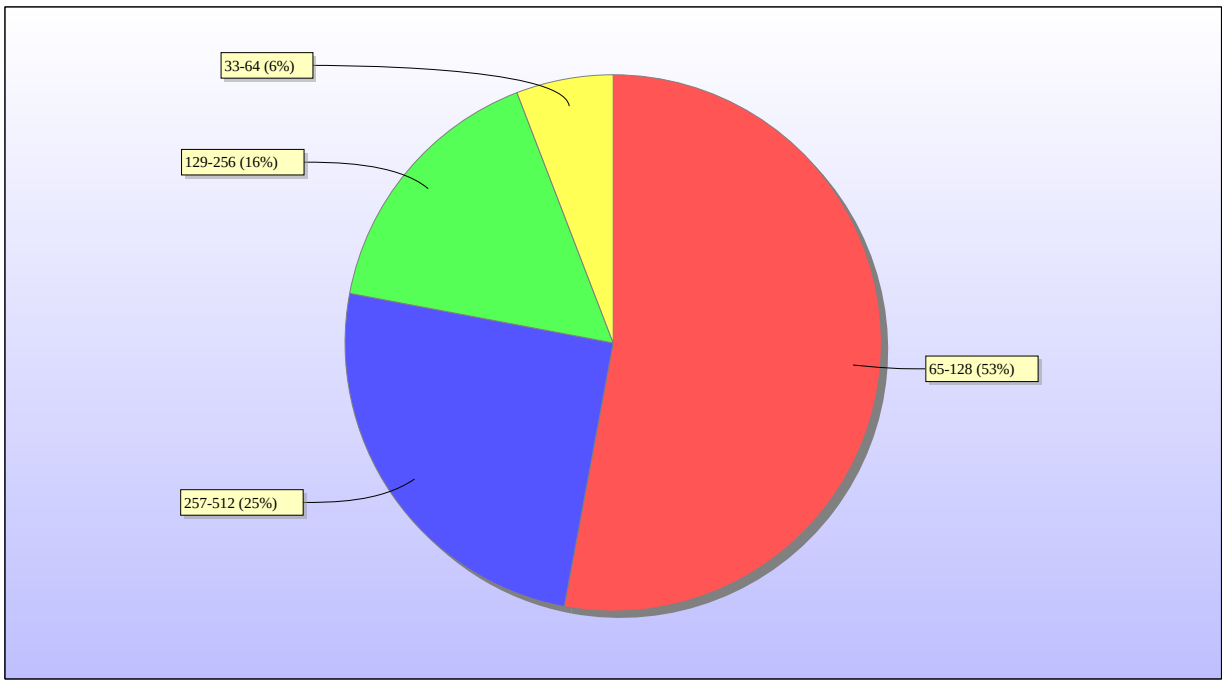
kAUs (by Size)

Size	kAUs	Number of Jobs
33-64	0	35
65-128	0	317
129-256	0	97
257-512	0	150

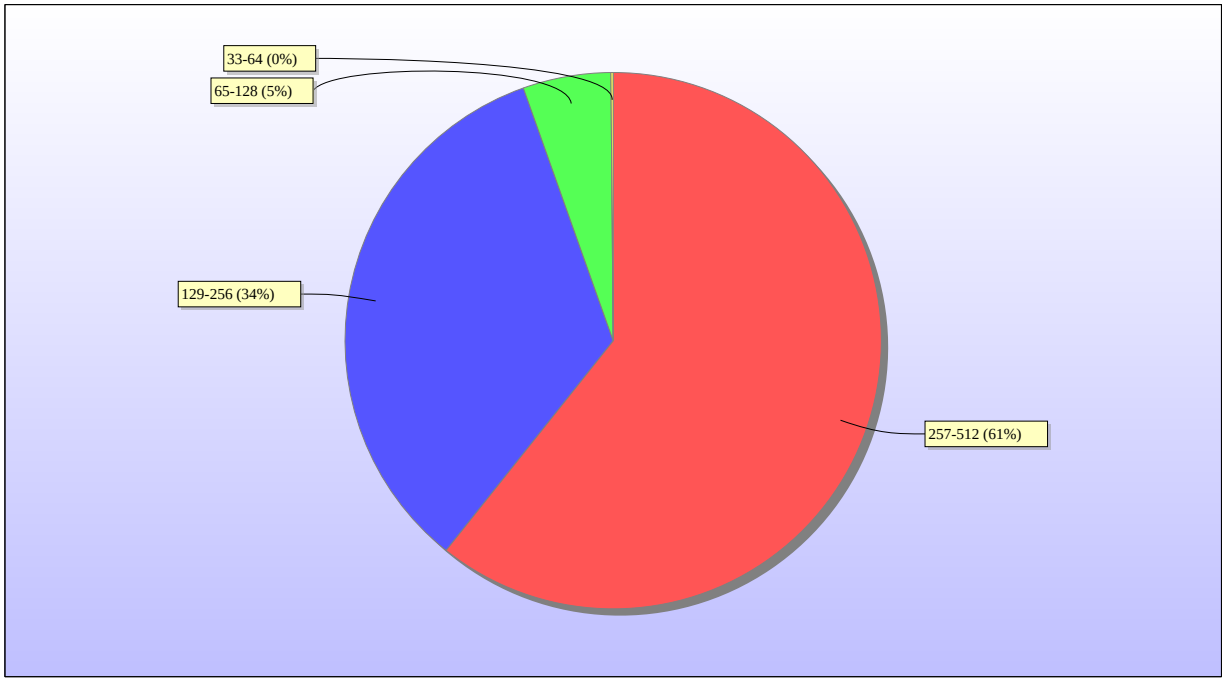
Load plots



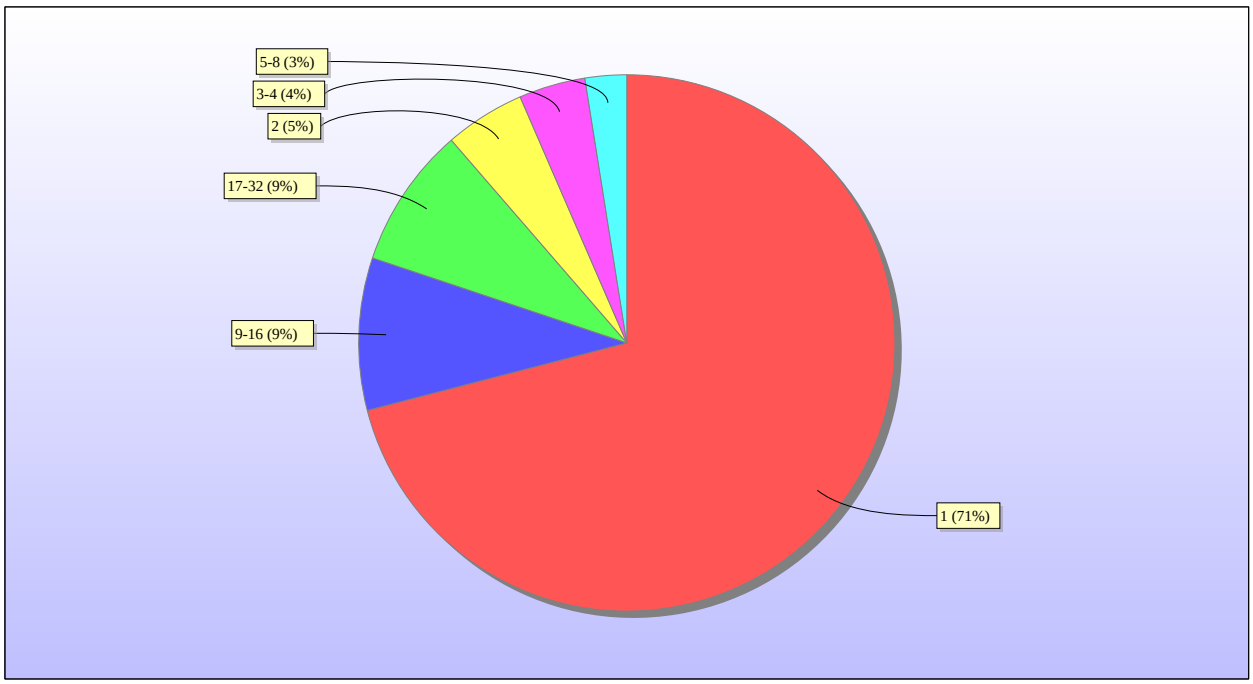
Percentage load on machine



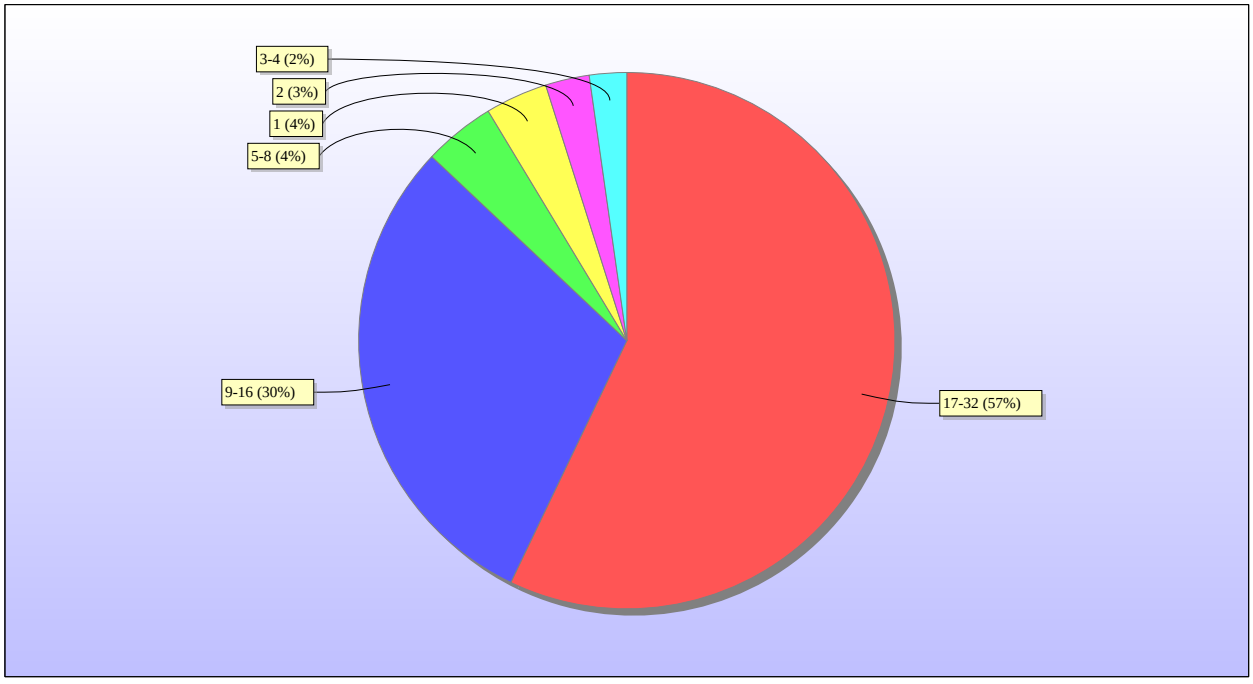
Jobs by Size



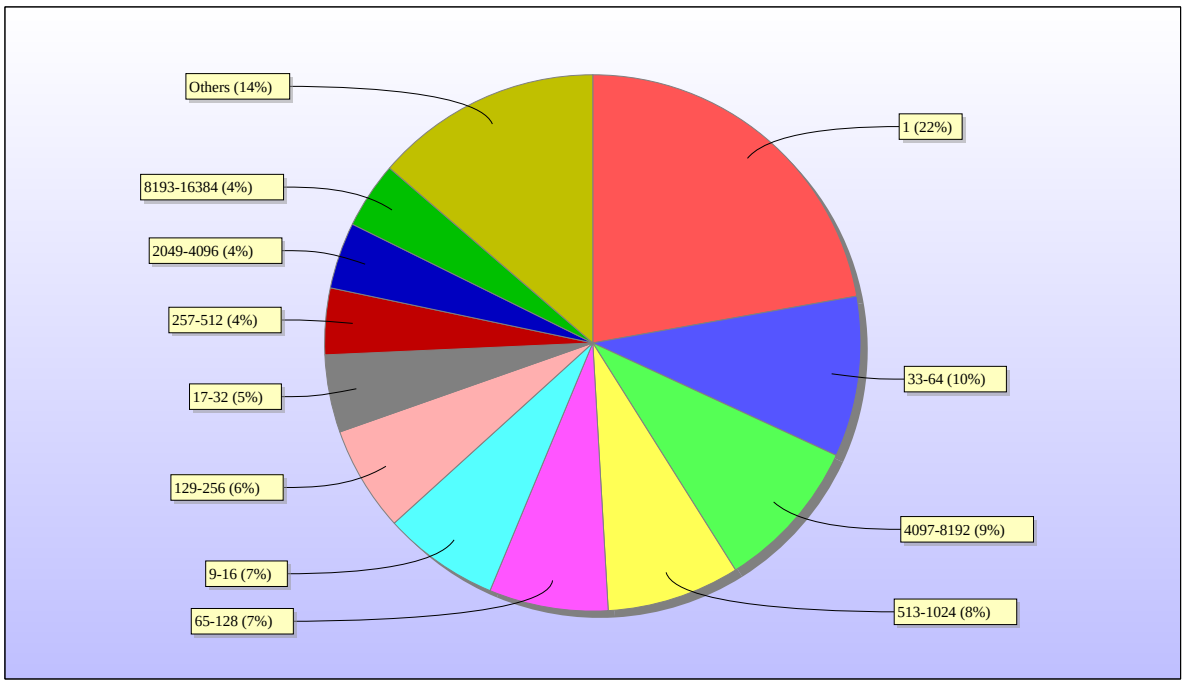
kAUs used by Size



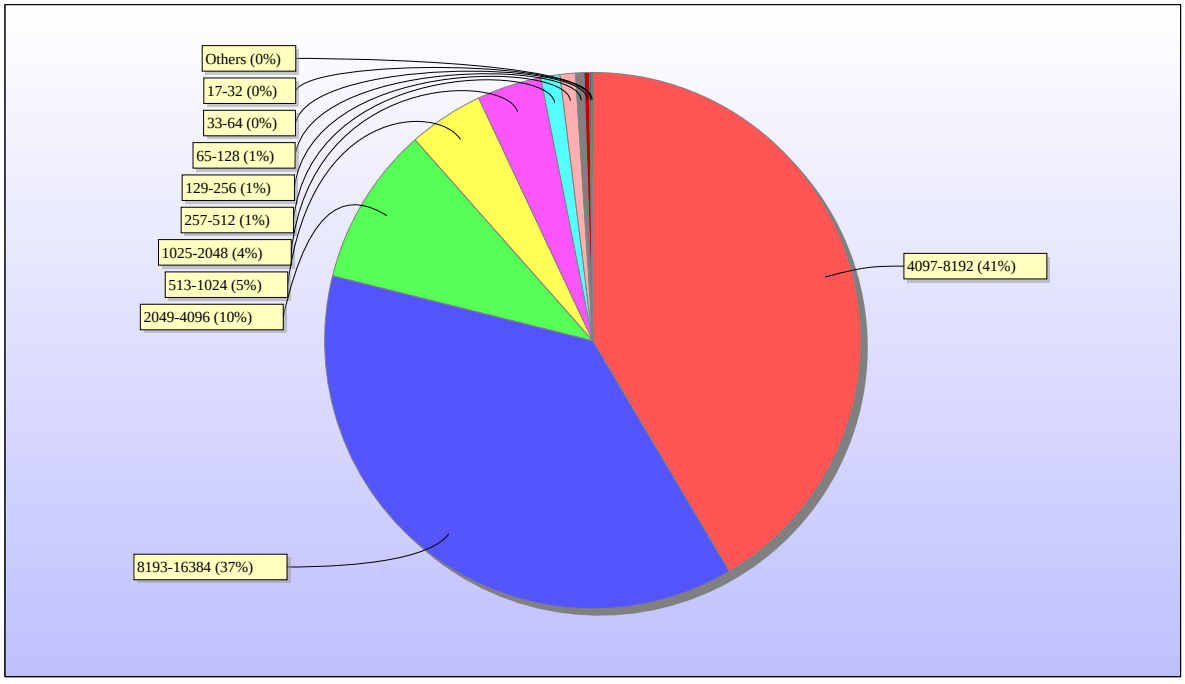
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

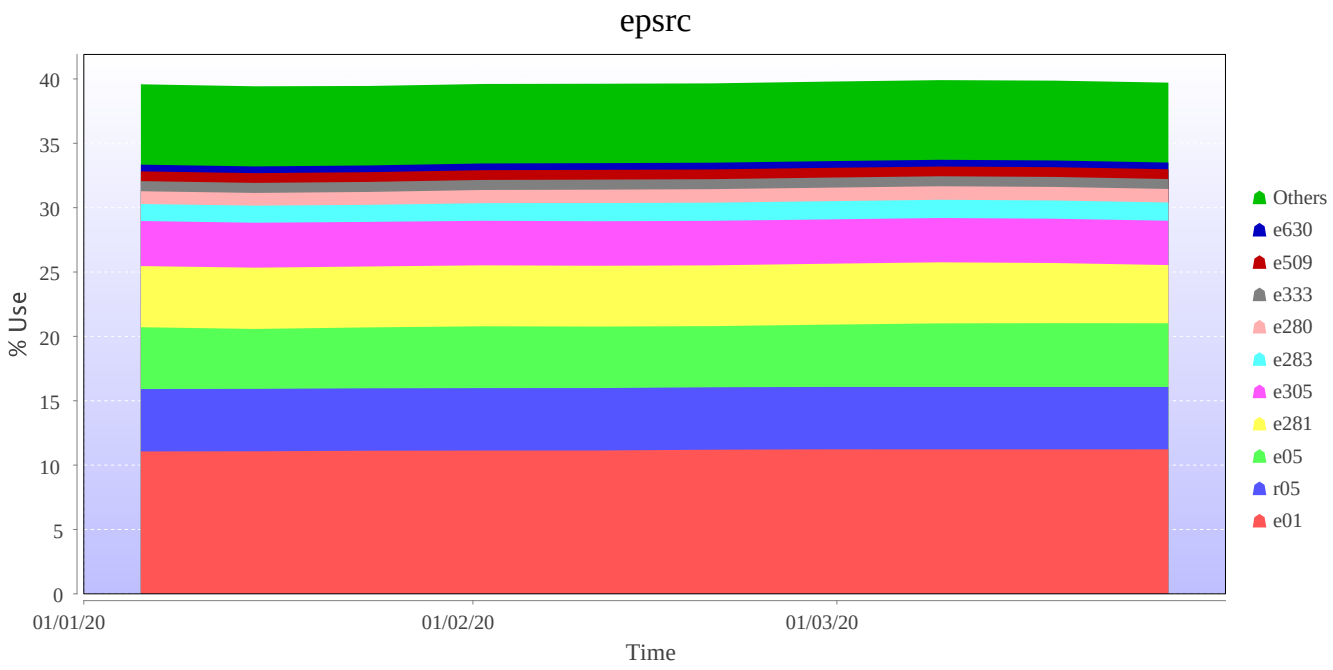


kAUs used grouped by core-hours

Disk usage

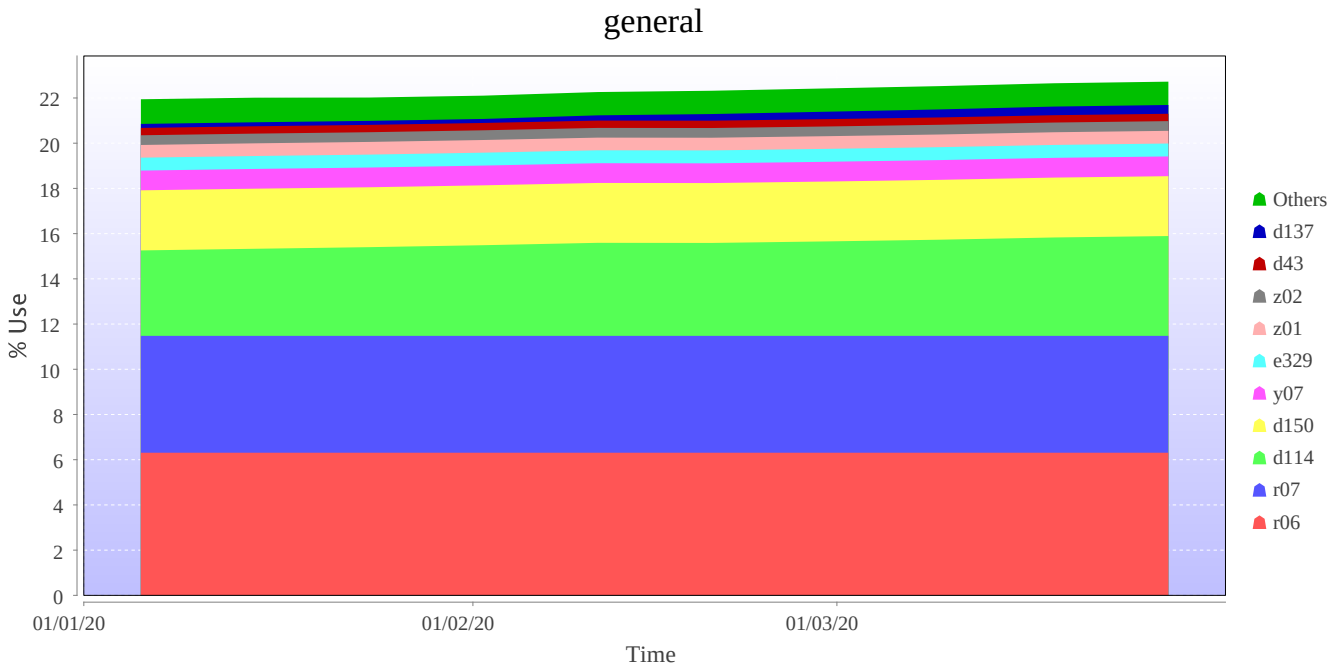
Disk usage for rdf (epsrc)

This is a plot of Disk Use on 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.



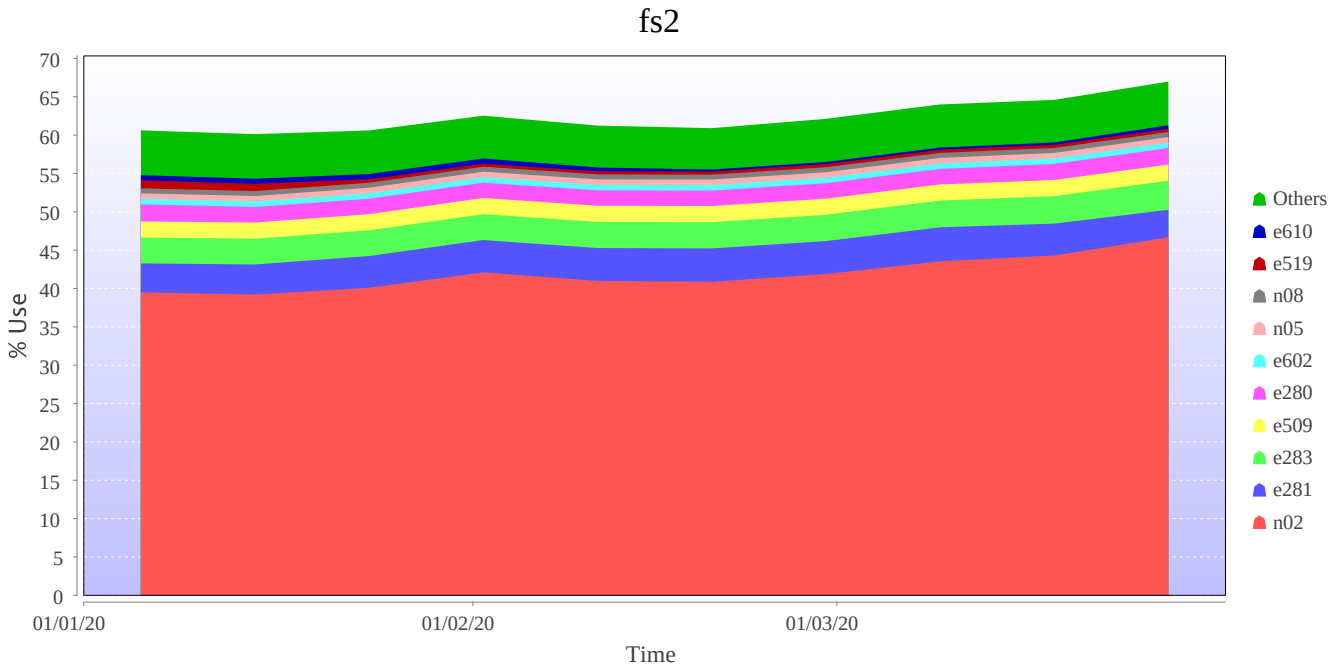
Disk usage for rdf (general)

This is a plot of Disk Use on 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.



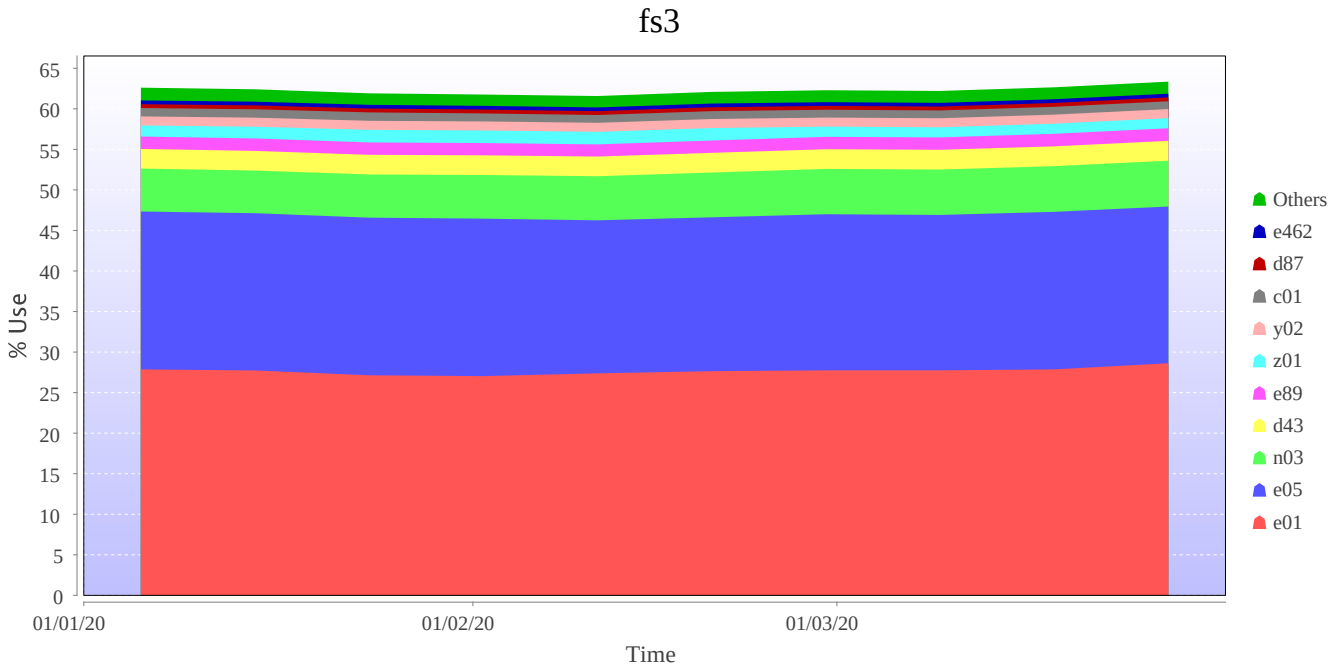
Disk usage for work (fs2)

This is a plot of Disk Use on fs2 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.



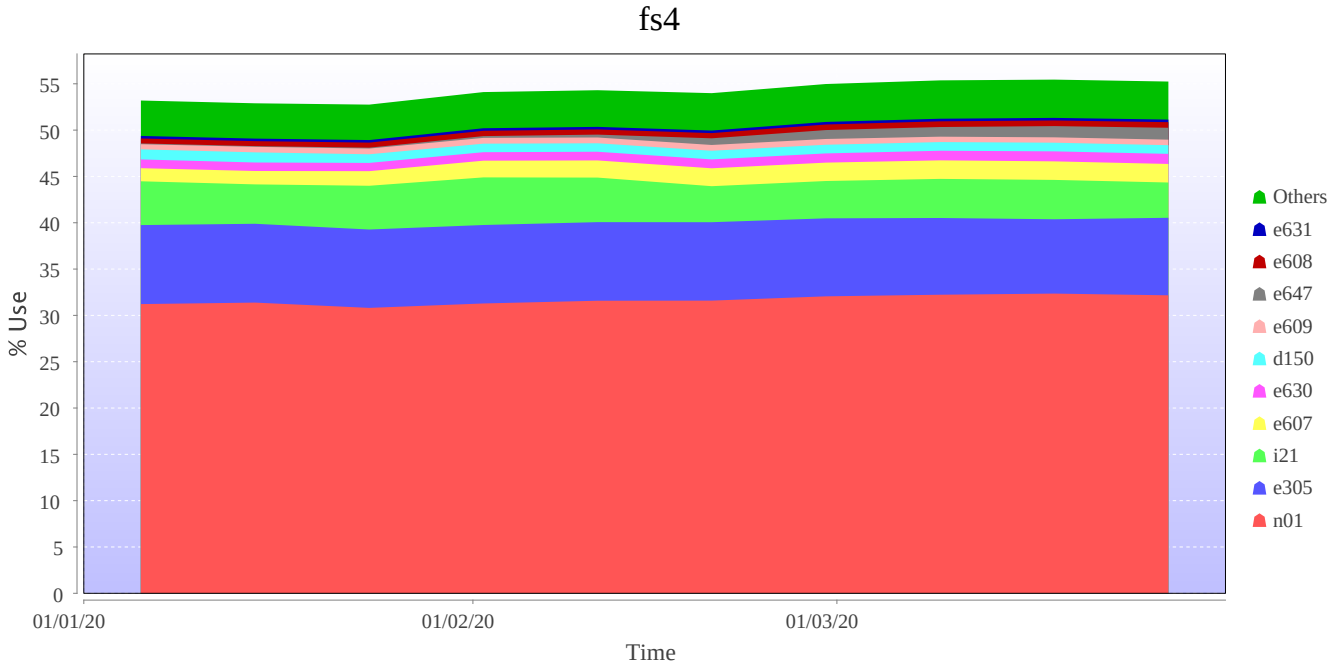
Disk usage for work (fs3)

This is a plot of Disk Use on fs3 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.



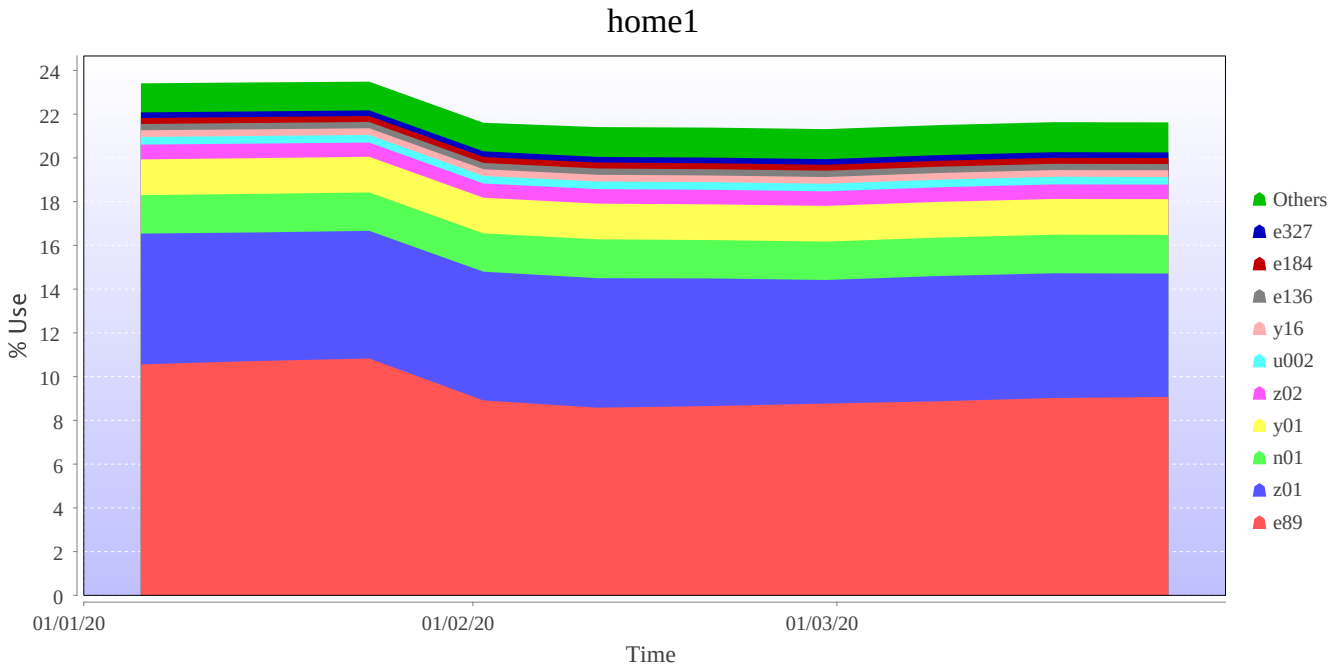
Disk usage for work (fs4)

This is a plot of Disk Use on fs4 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.



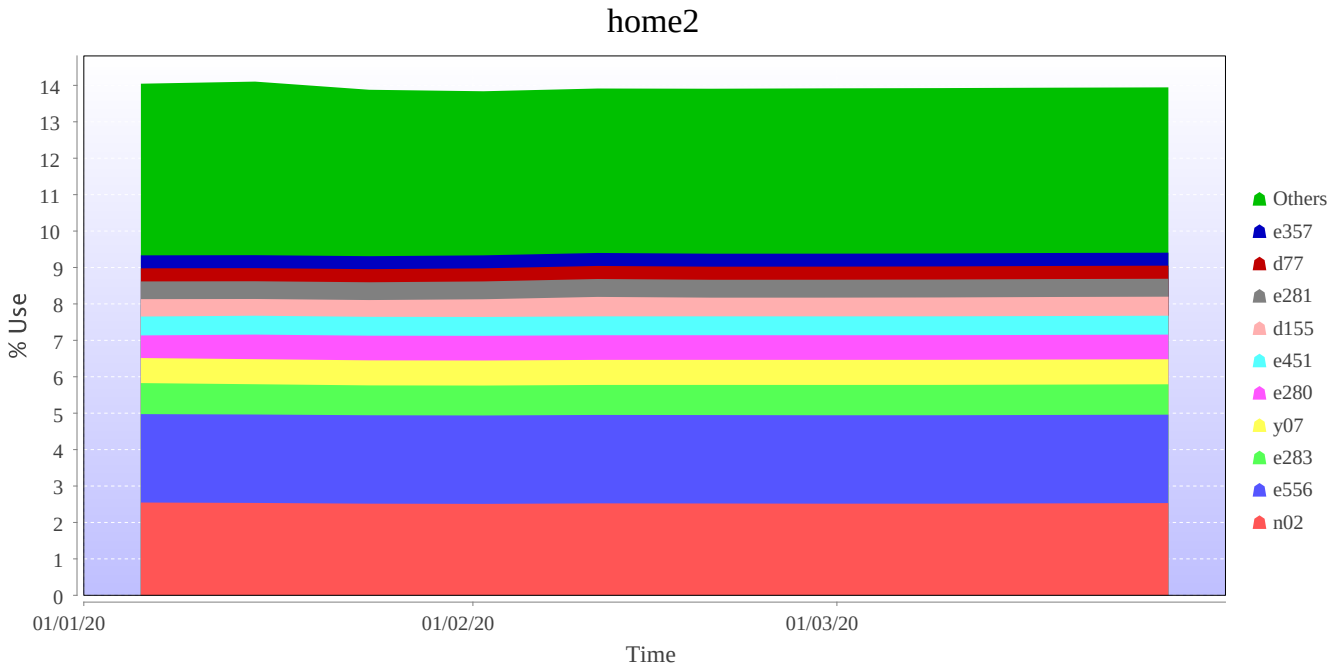
Disk usage for home (home1)

This is a plot of Disk Use on 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.



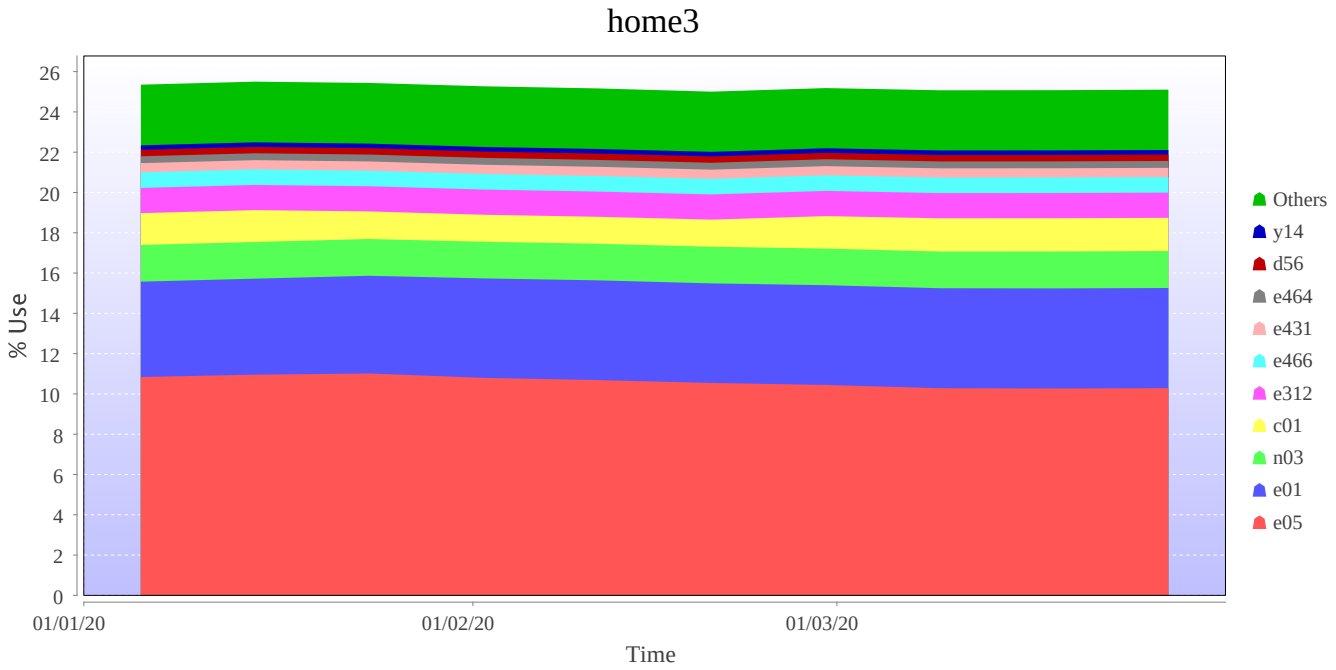
Disk usage for home (home2)

This is a plot of Disk Use on 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.



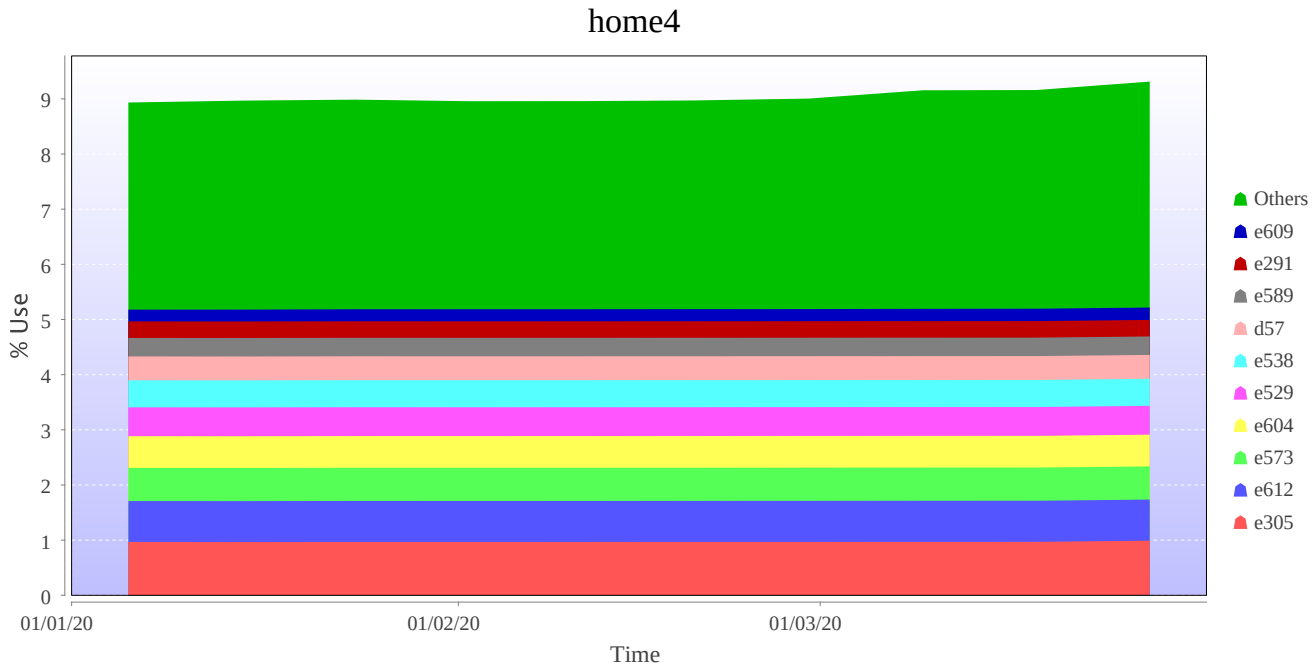
Disk usage for home (home3)

This is a plot of Disk Use on 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.



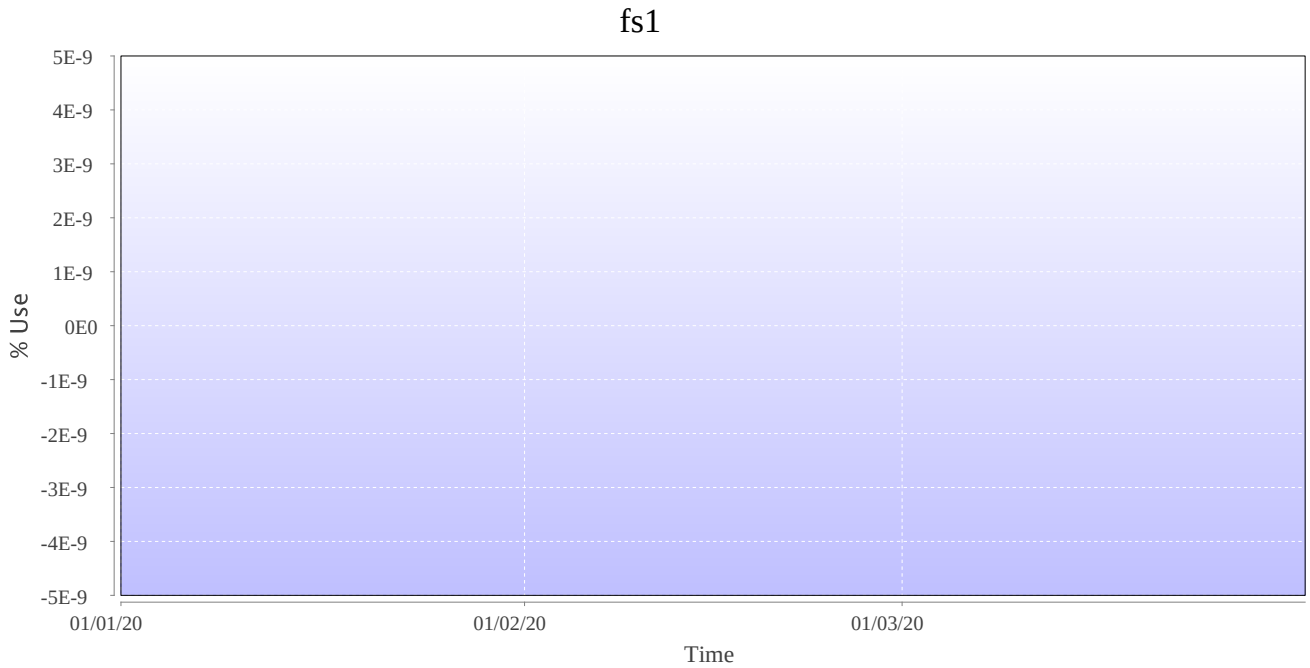
Disk usage for home (home4)

This is a plot of Disk Use on home4 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.



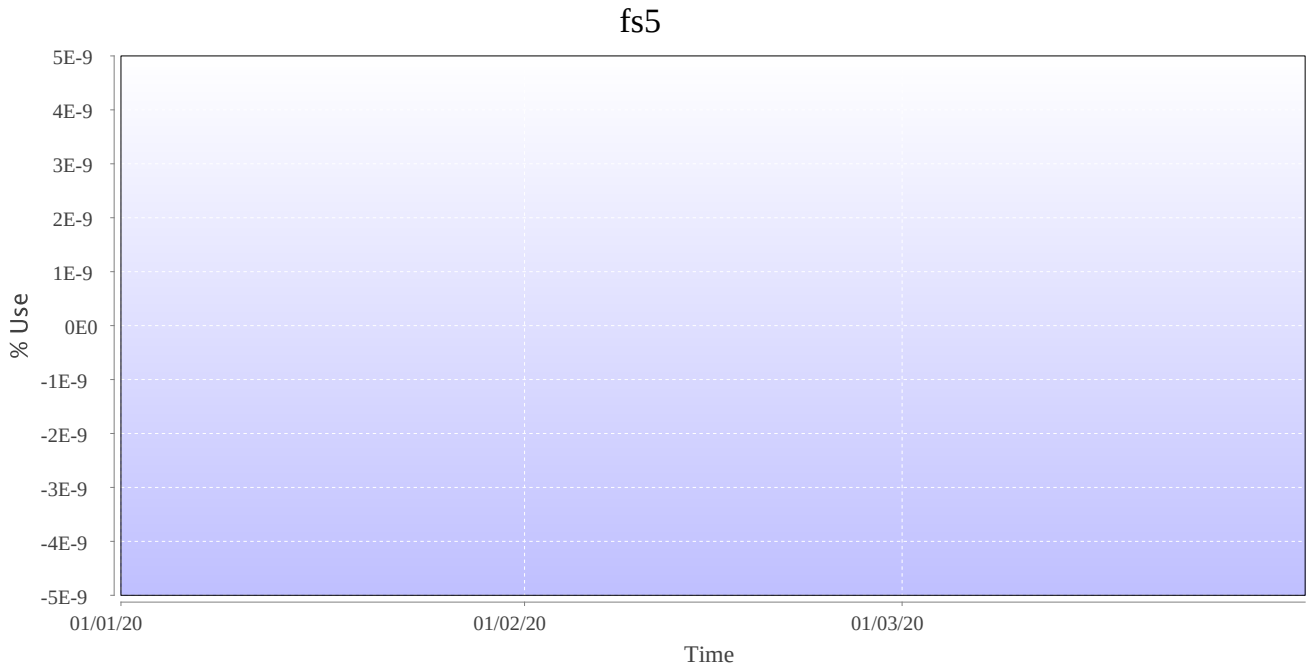
Disk usage for tdswork (fs1)

This is a plot of Disk Use on fs1 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.



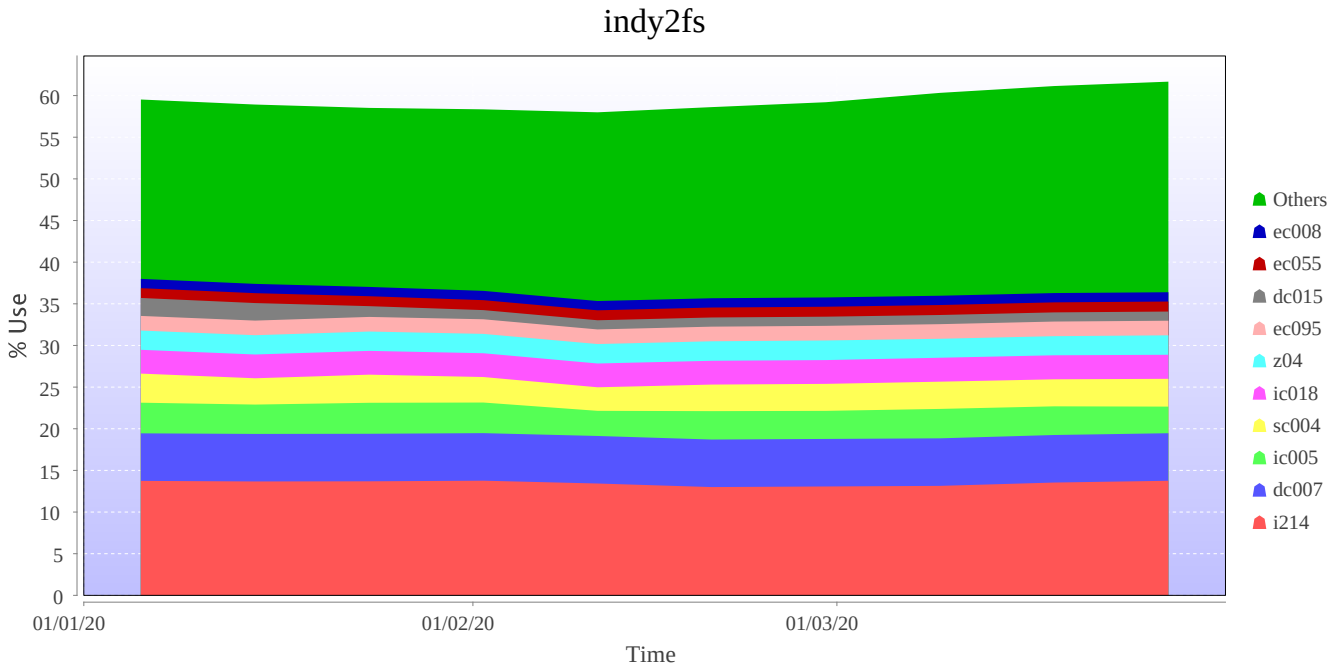
Disk usage for knlwork (fs5)

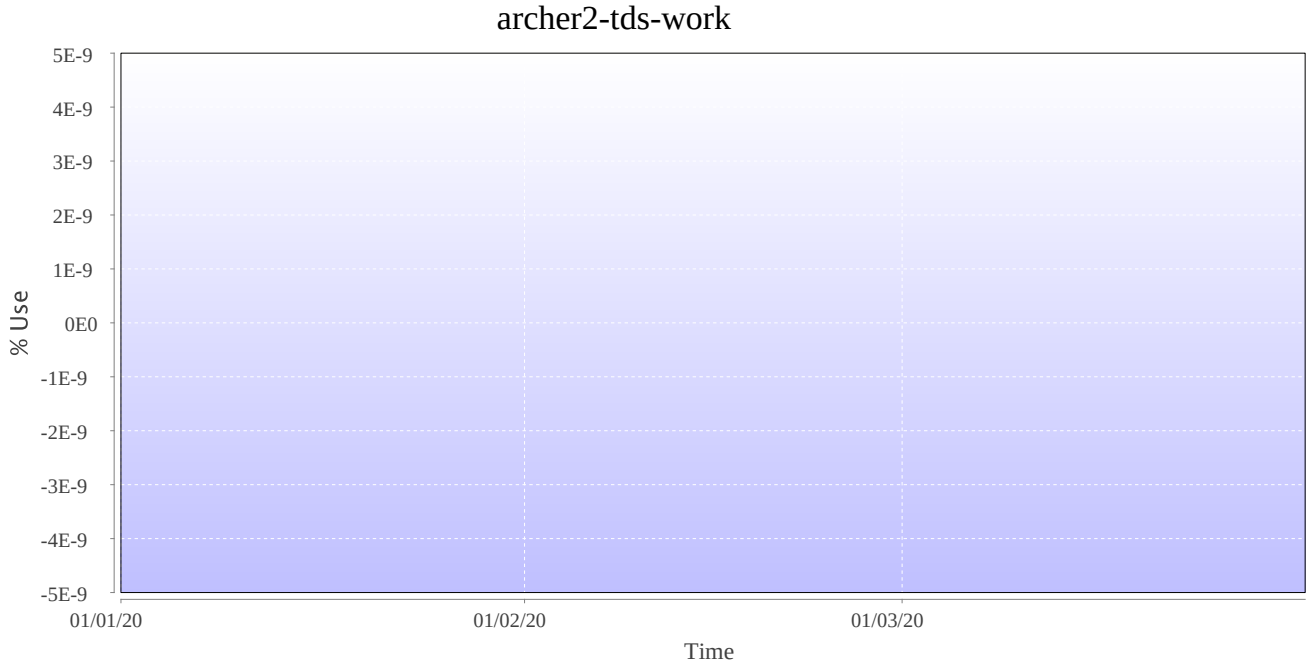
This is a plot of Disk Use on fs5 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for (indy2fs)

This is a plot of Disk Use on indy2fs 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 (archer2-tds-work)

This is a plot of Disk Use on archer2-tds-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.