

Monthly Reporting

Report from 01 April 2020 to 30 April 2020

Report for Resource Pool XC on All machines

A total of 1,275,263.991 kAU were available during this period.

Use and Allocations (by Project)

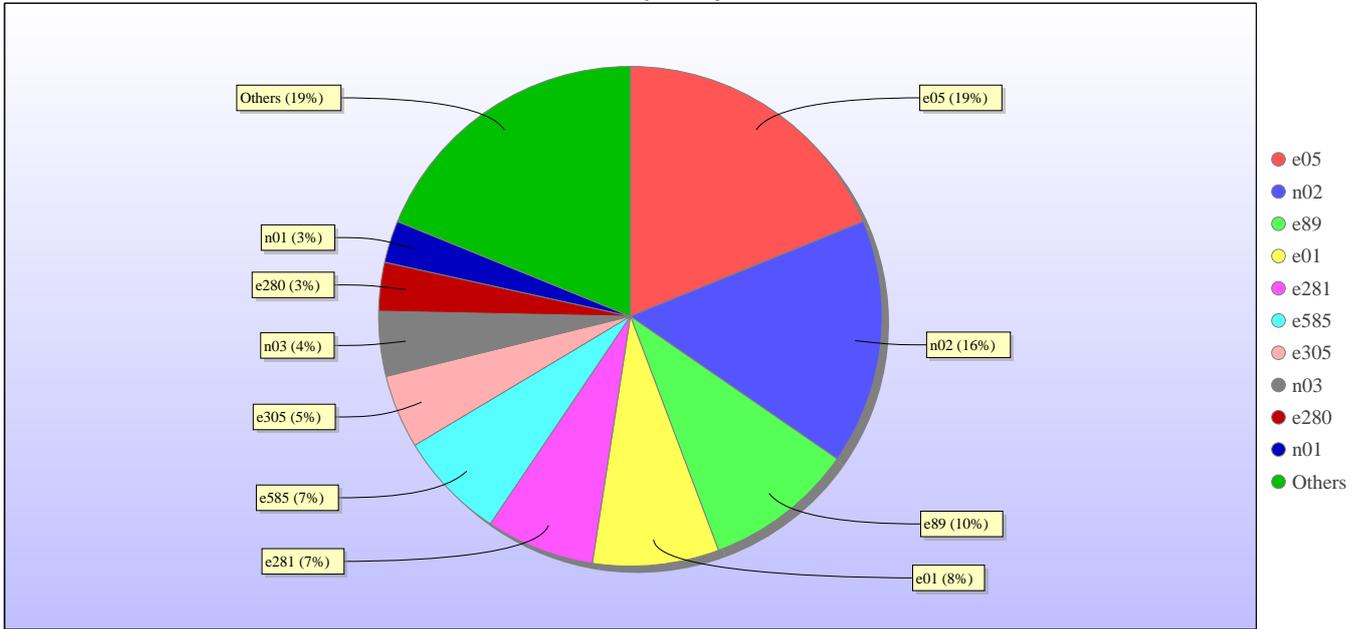
In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

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.

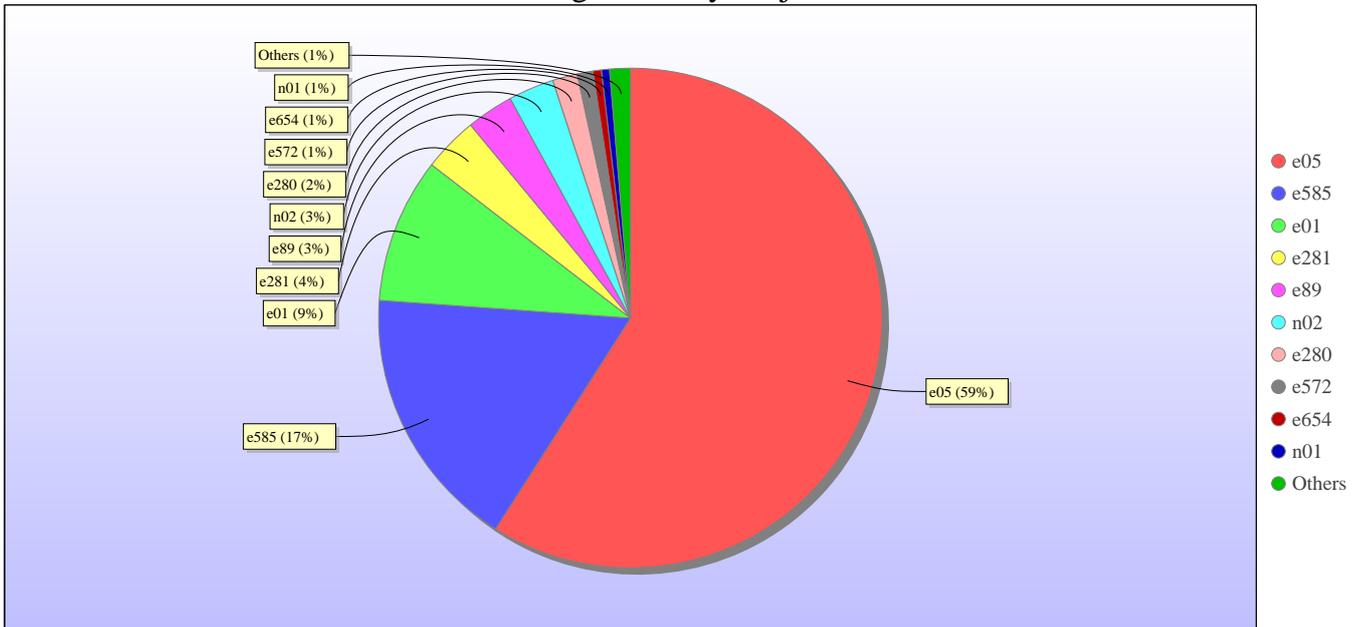
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
E635	Class1a	76	875.7	0.07%	875.7	0.07%	1,639.7	0.13%
c01	Class1a	856	9,374.0	0.74%	9,374.0	0.74%	12,904.1	1.01%
e432	Class1a	83	3,304.4	0.26%	3,304.4	0.26%	7,701.2	0.60%
e448	Class1a	2,029	14,096.7	1.11%	14,096.7	1.11%	24,490.1	1.92%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	78.0	0.01%
e519	Class1a	0	0.0	0.00%	0.0	0.00%	4,553.6	0.36%
e530	Class1a	0	0.0	0.00%	0.0	0.00%	1,093.4	0.09%
e537	Class1a	178	9,017.8	0.71%	9,017.8	0.71%	1,817.6	0.14%
e572	Class1a	203	2,074.4	0.16%	3,664.0	0.29%	3,135.0	0.25%
e575	Class1a	21	349.3	0.03%	349.3	0.03%	2,772.4	0.22%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	1,326.2	0.10%
e588	Class1a	72	2,913.3	0.23%	2,913.3	0.23%	2,951.4	0.23%
e606	Class1a	522	18,860.5	1.48%	18,860.5	1.48%	8,142.3	0.64%
e607	Class1a	44	4,122.6	0.32%	4,122.6	0.32%	15,573.8	1.22%
e608	Class1a	3	0.4	0.00%	0.4	0.00%	3,279.4	0.26%
e609	Class1a	198	616.5	0.05%	616.5	0.05%	11,639.3	0.91%
e610	Class1a	15	520.3	0.04%	520.8	0.04%	6,339.3	0.50%
e613	Class1a	14	991.9	0.08%	991.9	0.08%	655.9	0.05%
e627	Class1a	148	3,020.8	0.24%	3,231.2	0.25%	7,251.9	0.57%
e630	Class1a	128	3,360.1	0.26%	3,360.1	0.26%	4,500.0	0.35%
e637	Class1a	0	0.0	0.00%	0.0	0.00%	2,459.6	0.19%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	7,174.9	0.56%
e643	Class1a	27	7,859.5	0.62%	7,859.5	0.62%	7,089.5	0.56%
e645	Class1a	28	733.3	0.06%	733.3	0.06%	3,947.0	0.31%
e647	Class1a	492	642.4	0.05%	754.1	0.06%	5,194.3	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	4,748.3	0.37%
e649	Class1a	19	2,477.9	0.19%	2,477.9	0.19%	3,005.5	0.24%
e651	Class1a	62	1,458.0	0.11%	1,458.0	0.11%	1,994.3	0.16%
e655	Class1a	200	1,171.0	0.09%	1,171.0	0.09%	523.8	0.04%
e01	Consortia	1,191	71,506.3	5.61%	86,171.2	6.76%	70,537.6	5.53%
e05	Consortia	9,531	107,438.3	8.42%	199,626.2	15.65%	226,438.3	17.76%
e89	Consortia	5,365	97,656.1	7.66%	102,386.3	8.03%	115,466.1	9.05%
e280	Consortia	533	30,963.8	2.43%	33,455.2	2.62%	56,052.0	4.40%
e281	Consortia	486	68,562.9	5.38%	74,091.3	5.81%	24,043.7	1.89%
e283	Consortia	1,133	15,174.4	1.19%	15,177.8	1.19%	18,315.5	1.44%
e305	Consortia	994	50,222.0	3.94%	50,637.7	3.97%	39,742.8	3.12%
e585	Consortia	269	47,229.2	3.70%	73,986.2	5.80%	28,688.5	2.25%
e658	Consortia	720	19,014.2	1.49%	19,014.2	1.49%	27,783.9	2.18%
e348	Direct Access: ARCHER RAP	185	2,288.0	0.18%	2,288.0	0.18%	6,626.1	0.52%
e632	Instant Access	581	471.7	0.04%	471.7	0.04%	904.8	0.07%
e650	Instant Access	6	278.2	0.02%	530.9	0.04%	131.4	0.01%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e652	Instant Access	7	754.3	0.06%	1,223.7	0.10%	197.8	0.02%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	131.9	0.01%
e656	Instant Access	0	0.0	0.00%	0.0	0.00%	197.8	0.02%
e657	Instant Access	55	330.4	0.03%	330.4	0.03%	194.4	0.02%
e659	Instant Access	3	0.0	0.00%	0.0	0.00%	45.7	0.00%
e612	Training	10,436	2,477.4	0.19%	2,615.2	0.21%	1,852.0	0.15%
e631	Training	0	0.0	0.00%	0.0	0.00%	1,965.1	0.15%
e644	Training	378	1,556.5	0.12%	1,556.5	0.12%	2,212.9	0.17%
e654	Training	180	2,852.3	0.22%	3,692.6	0.29%	2,686.6	0.21%
EPSRC Total		37,471	606,616.8	47.57%	757,008.1	59.36%	782,196.9	61.34%
n01	Consortia	1,763	29,048.7	2.28%	28,866.3	2.26%	120,639.6	9.46%
n02	Consortia	13,837	163,881.7	12.85%	168,463.6	13.21%	156,818.2	12.30%
n03	Consortia	1,660	44,540.2	3.49%	44,542.6	3.49%	75,757.6	5.94%
NERC Total		17,260	237,470.6	18.62%	241,872.5	18.97%	353,215.3	27.70%
e621	Leadership Awards	111	9,420.2	0.74%	9,420.2	0.74%	6,348.5	0.50%
e568	Research	10	88.2	0.01%	88.2	0.01%	3,747.6	0.29%
BBSRC Total		121	9,508.4	0.75%	9,508.4	0.75%	10,096.0	0.79%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2.7	0.00%
pr1u1551	DECI: EXEC	178	10,658.3	0.84%	10,658.3	0.84%	7,327.3	0.57%
pr1u1552	DECI: EXEC	80	3,451.6	0.27%	3,451.6	0.27%	2,883.6	0.23%
pr1u1553	DECI: EXEC	320	15,092.9	1.18%	15,092.9	1.18%	9,689.4	0.76%
pr1u1554	DECI: EXEC	72	114.4	0.01%	238.1	0.02%	571.9	0.04%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1503	DECI: HOME	60	710.0	0.06%	774.0	0.06%	530.5	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1506	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,572.3	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		710	30,027.2	2.35%	30,214.9	2.37%	22,578.2	1.77%
d43	ECDF	11	141.4	0.01%	141.4	0.01%	197.8	0.02%
d56	Research	740	4,605.1	0.36%	4,801.6	0.38%	6,570.3	0.52%
d88	Research	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
d114	Research	1,011	12,203.4	0.96%	12,284.6	0.96%	13,874.0	1.09%
d118	Research	320	219.1	0.02%	219.1	0.02%	438.0	0.03%
d137	Research	824	1,230.9	0.10%	1,230.9	0.10%	2,840.9	0.22%
d142	Research	83	1,830.7	0.14%	1,830.7	0.14%	711.8	0.06%
d143	Research	6	206.1	0.02%	206.1	0.02%	1,229.5	0.10%
d150	Research	0	0.0	0.00%	0.0	0.00%	1,401.4	0.11%
d155	Research	47	1,344.8	0.11%	1,344.8	0.11%	2,737.6	0.21%
d170	Research	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d428	Research	16	335.7	0.03%	335.7	0.03%	300.0	0.02%
d153	Industrial	0	0.0	0.00%	0.0	0.00%	219.0	0.02%
i01	Industrial	7	434.7	0.03%	434.7	0.03%	602.3	0.05%
i18	Industrial	1	4.3	0.00%	4.3	0.00%	1,483.9	0.12%
i21	Industrial	26	562.3	0.04%	443.5	0.03%	16,393.4	1.29%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	1,648.7	0.13%
d171	Training	12	3.5	0.00%	3.5	0.00%	1,095.1	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.6	0.00%
z99	Service	23	0.2	0.00%	0.2	0.00%	1.6	0.00%
DirectorsTime Total		3,127	23,122.3	1.81%	23,281.2	1.83%	51,748.5	4.06%
y14	Training	0	0.0	0.00%	0.0	0.00%	163.9	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	16.5	0.00%
y02	Service	0	0.0	0.00%	0.0	0.00%	82.4	0.01%
y07	Service	3	0.0	0.00%	0.0	0.00%	61.5	0.00%
z01	Service	1	0.0	0.00%	0.0	0.00%	0.0	0.00%
z02	Service	0	0.0	0.00%	0.0	0.00%	4.1	0.00%
z19	Service	84	23.0	0.00%	23.0	0.00%	2,347.6	0.18%
CSE Total		88	23.0	0.00%	23.1	0.00%	2,676.0	0.21%
Total		58,777	906,768.3	71.10%	1,061,908.1	83.27%	1,222,510.9	95.86%

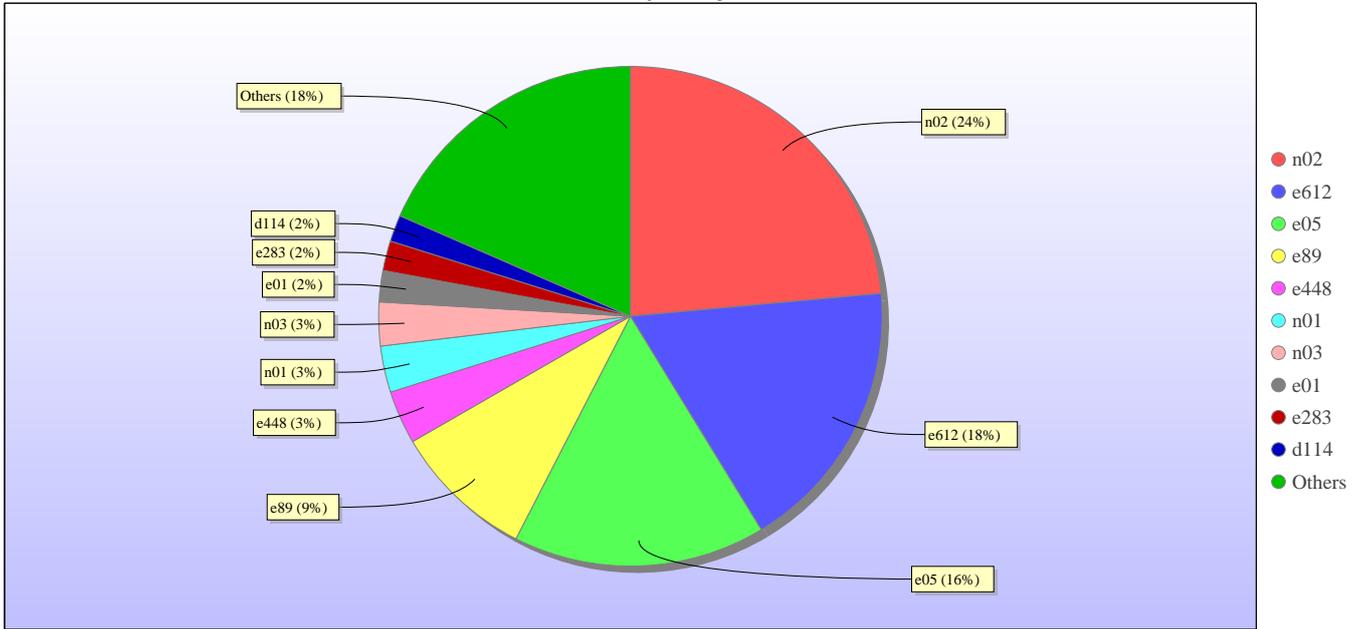
Use by Project



Uncharged Use by Project



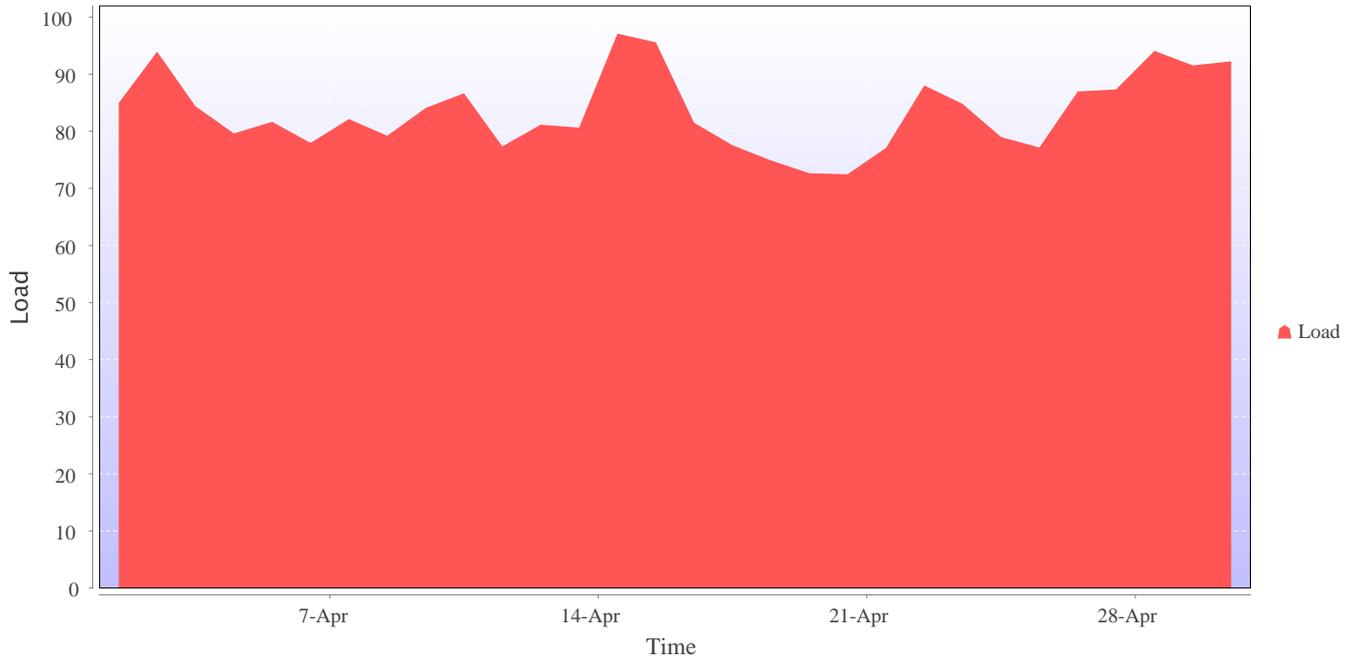
Jobs by Project



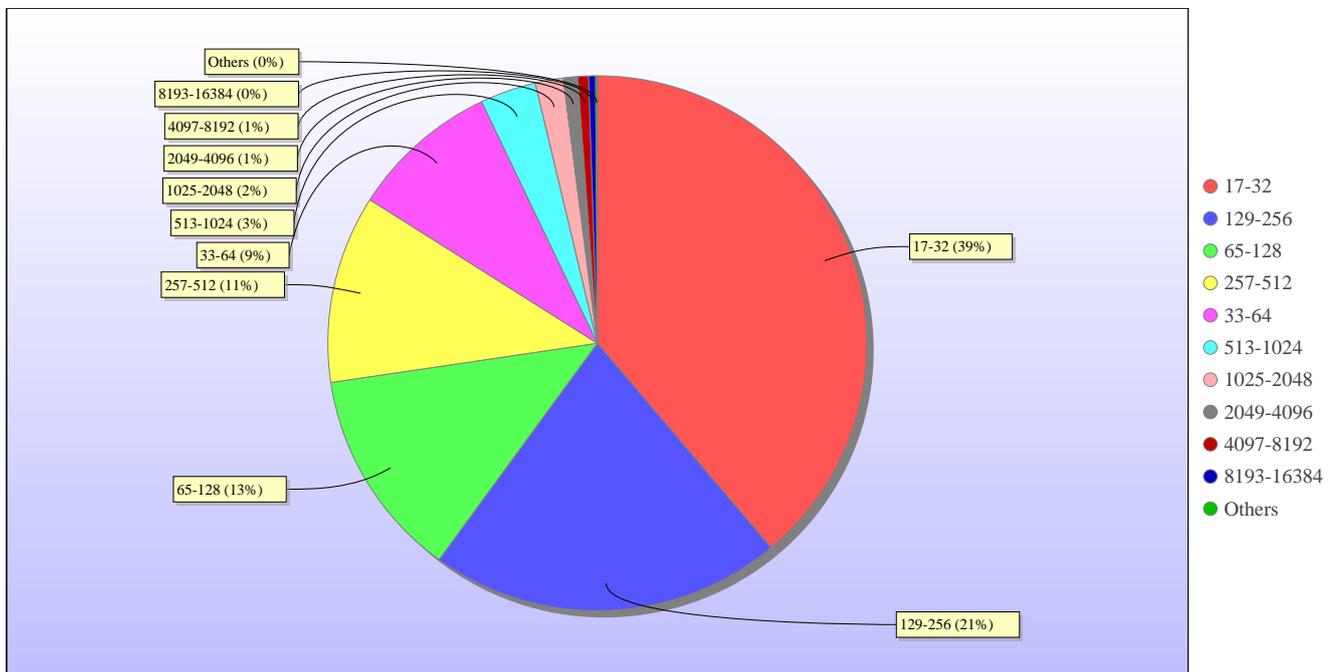
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	7,092.72	22,832
33-64	18,706.844	5,245
65-128	47,990.671	7,441
129-256	155,074.934	12,426
257-512	205,332.272	6,676
513-1024	111,041.88	1,976
1025-2048	90,897.377	986
2049-4096	74,345.807	505
4097-8192	82,277.337	379
8193-16384	56,067.95	245
16385-32768	51,560.594	41
32769-65536	3,075.151	18

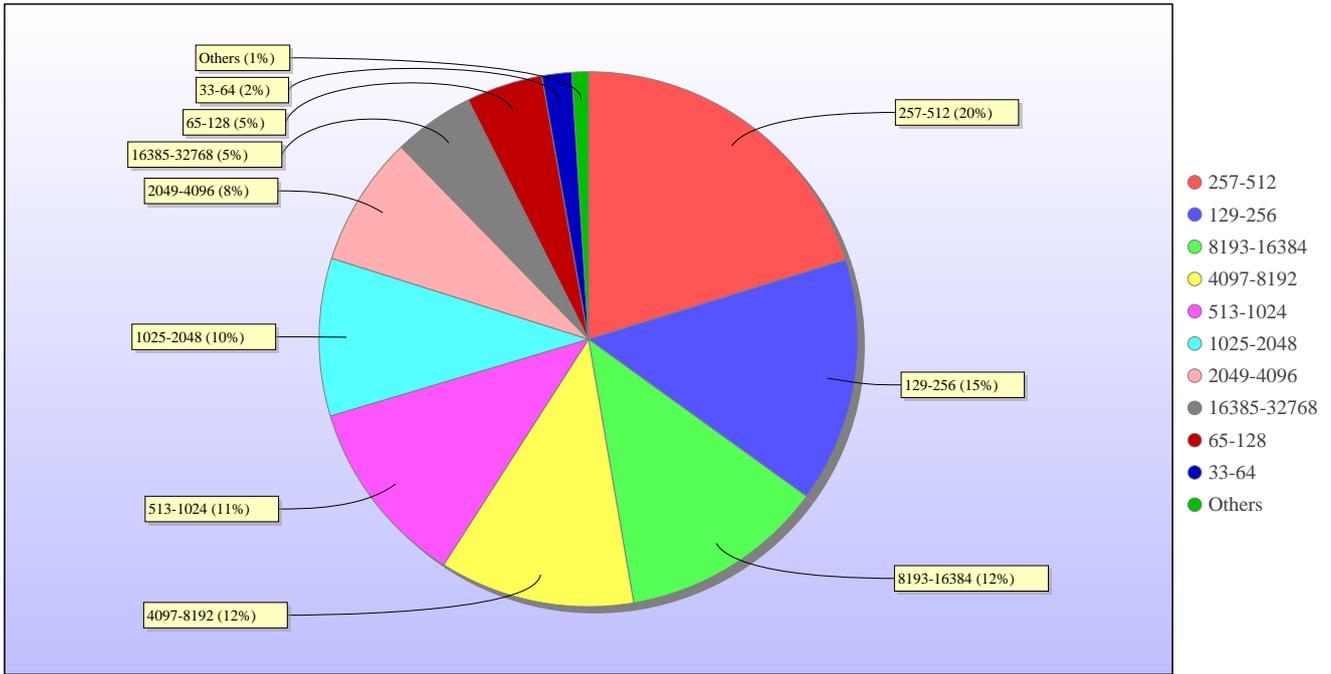
Load plots



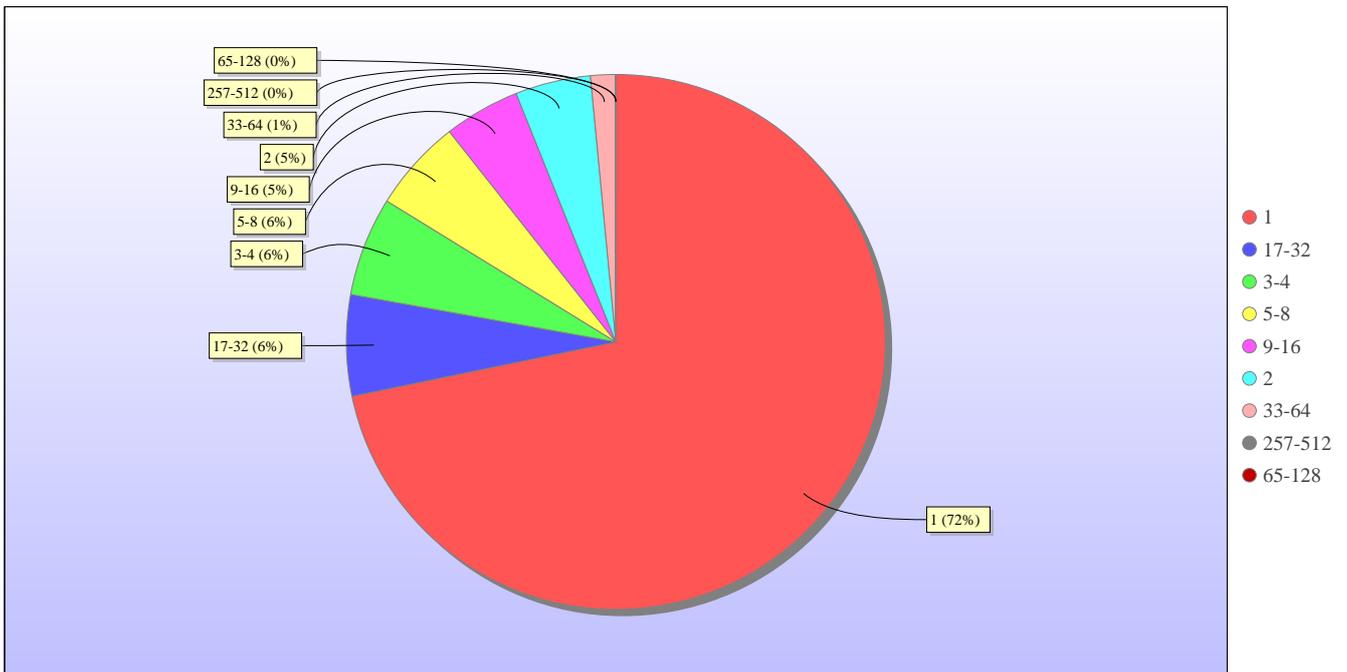
Percentage load on machine



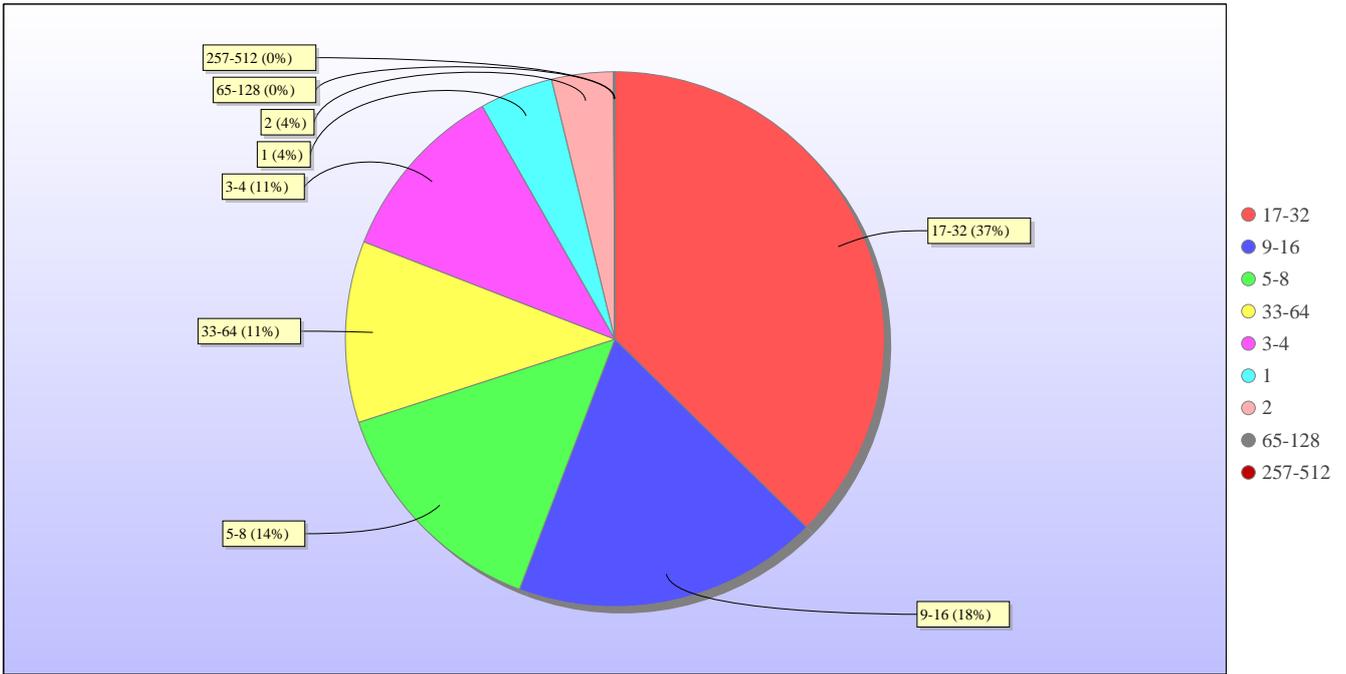
Jobs by Size



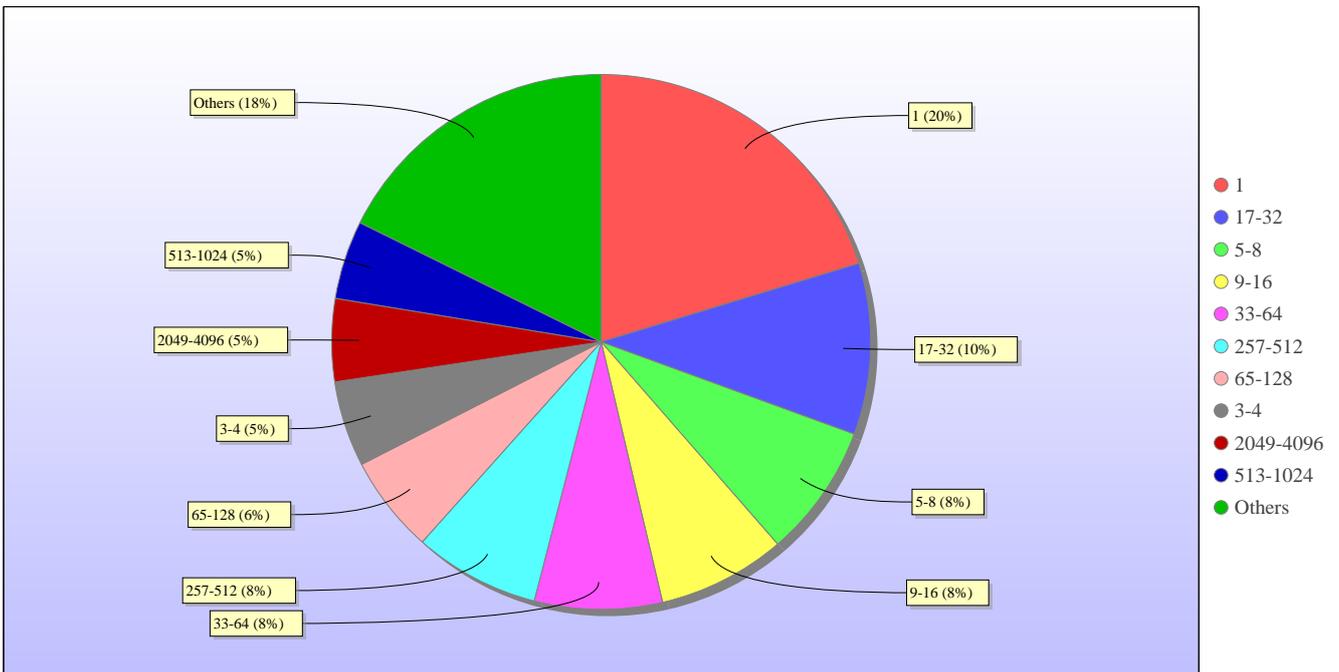
kAUs used by Size



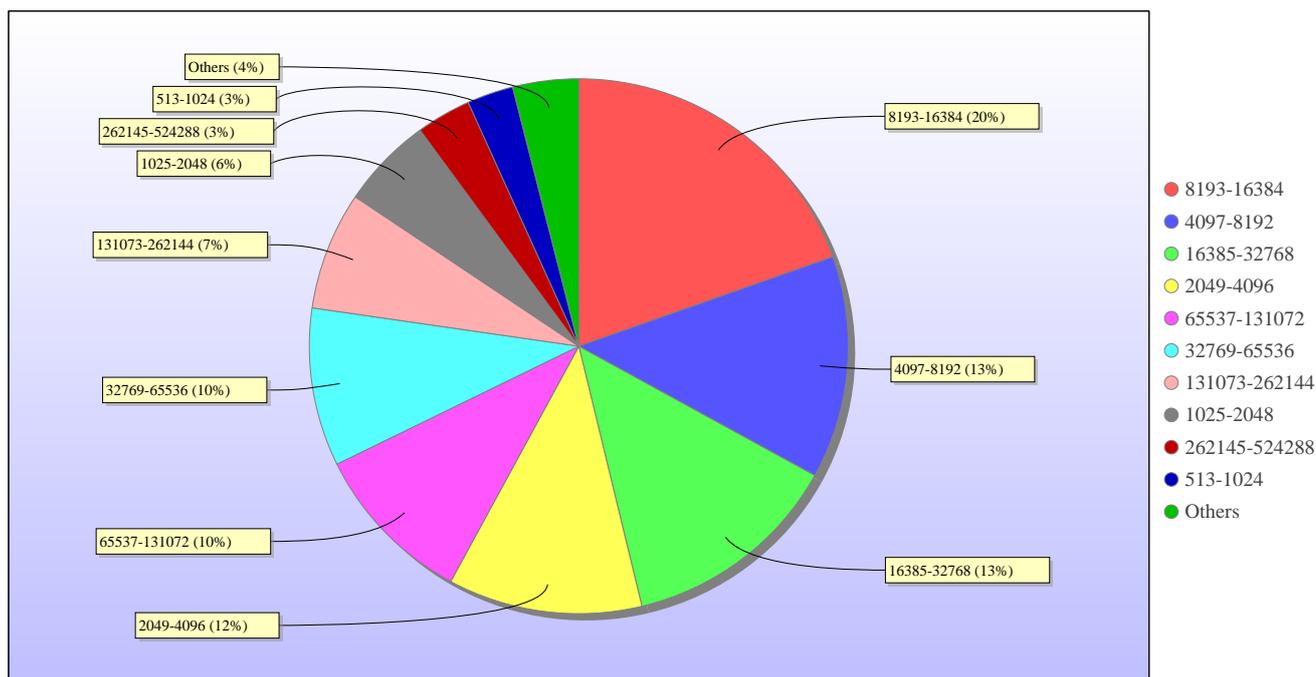
Jobs grouped by wall-clock-hours



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.

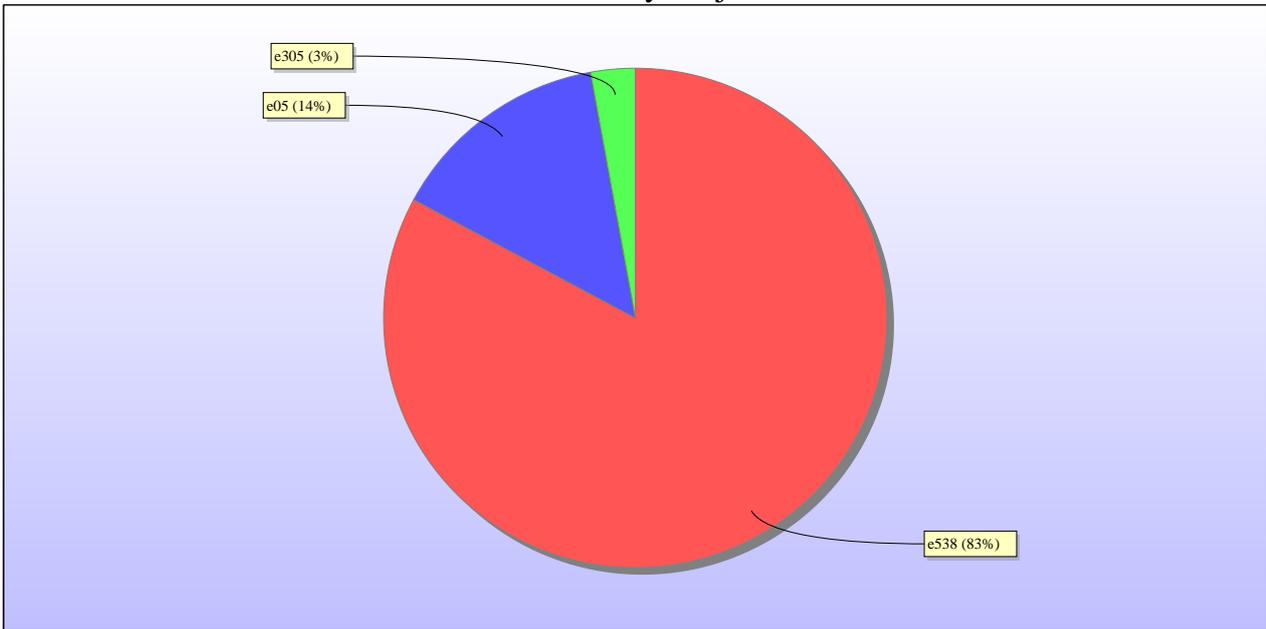
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e05	Consortia	5	0.0		0.0		0.0	
e305	Consortia	1	0.0		0.0		0.0	
e538	Training	29	0.0		0.0		0.0	
EPSRC Total		35	0.0		0.0		0.0	
Total		35	0.0	0	0.0	0	0.0	0

Use by Project



- e05
- e538
- e305

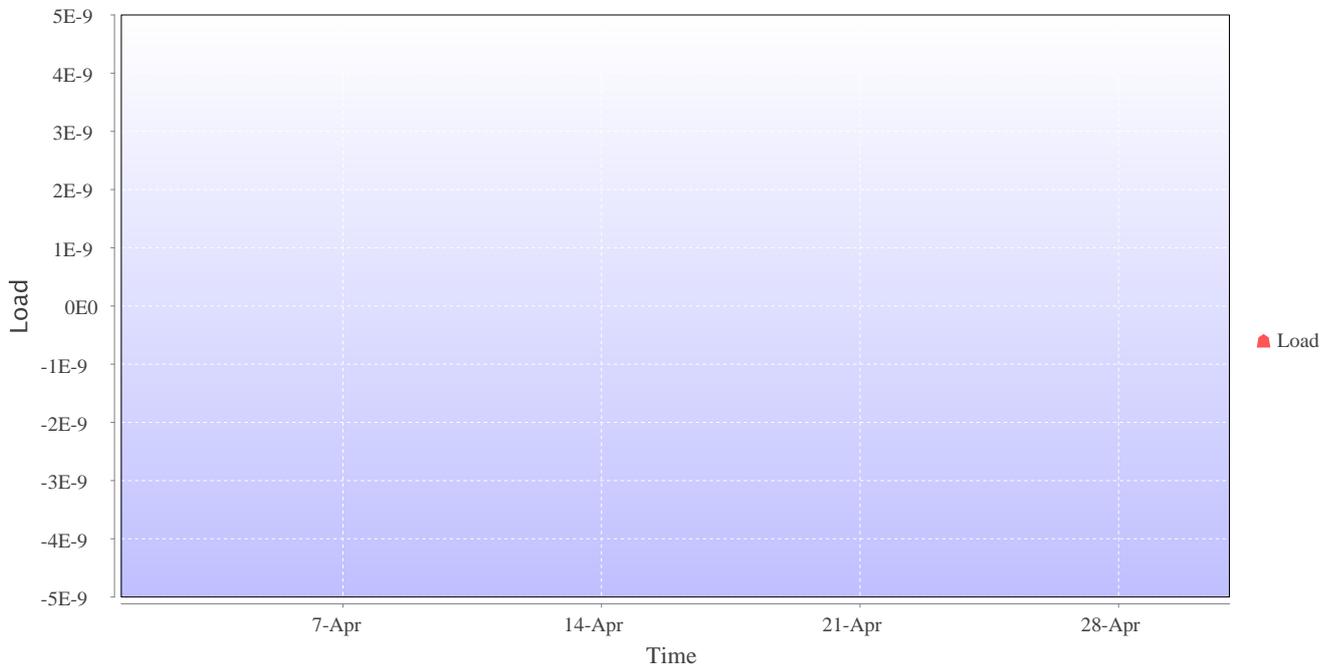
Jobs by Project



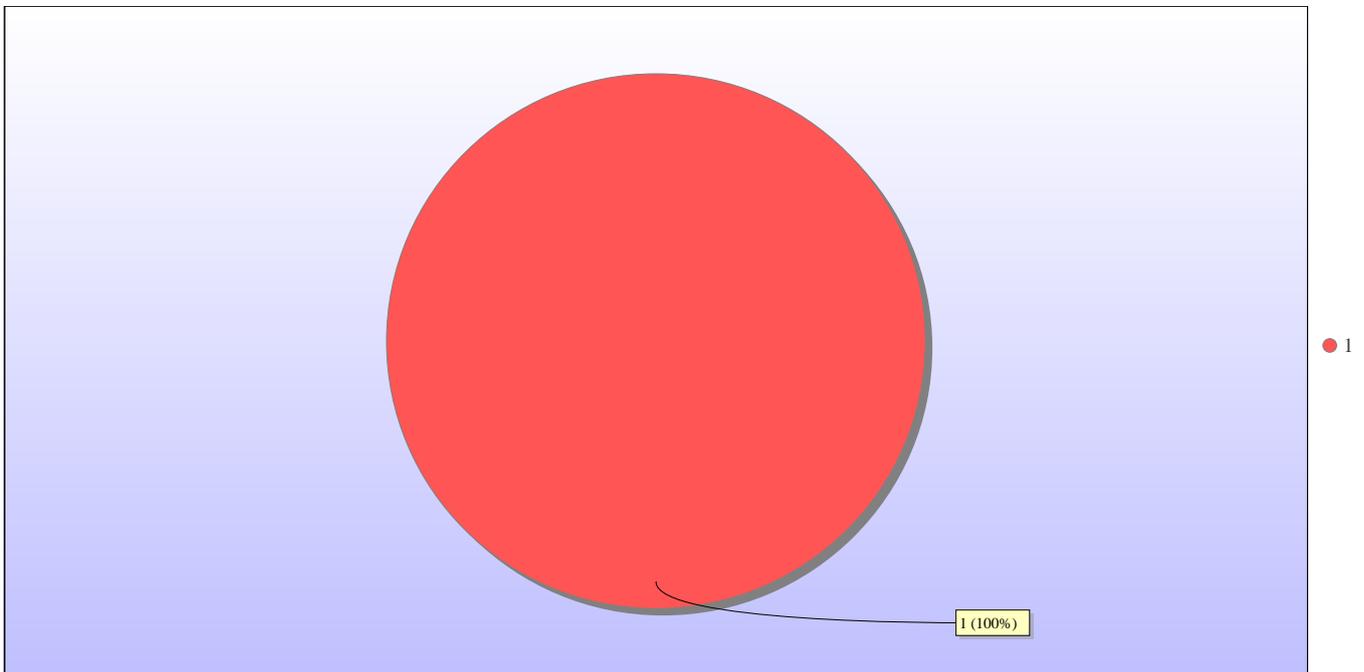
kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	35

Load plots



Percentage load on machine

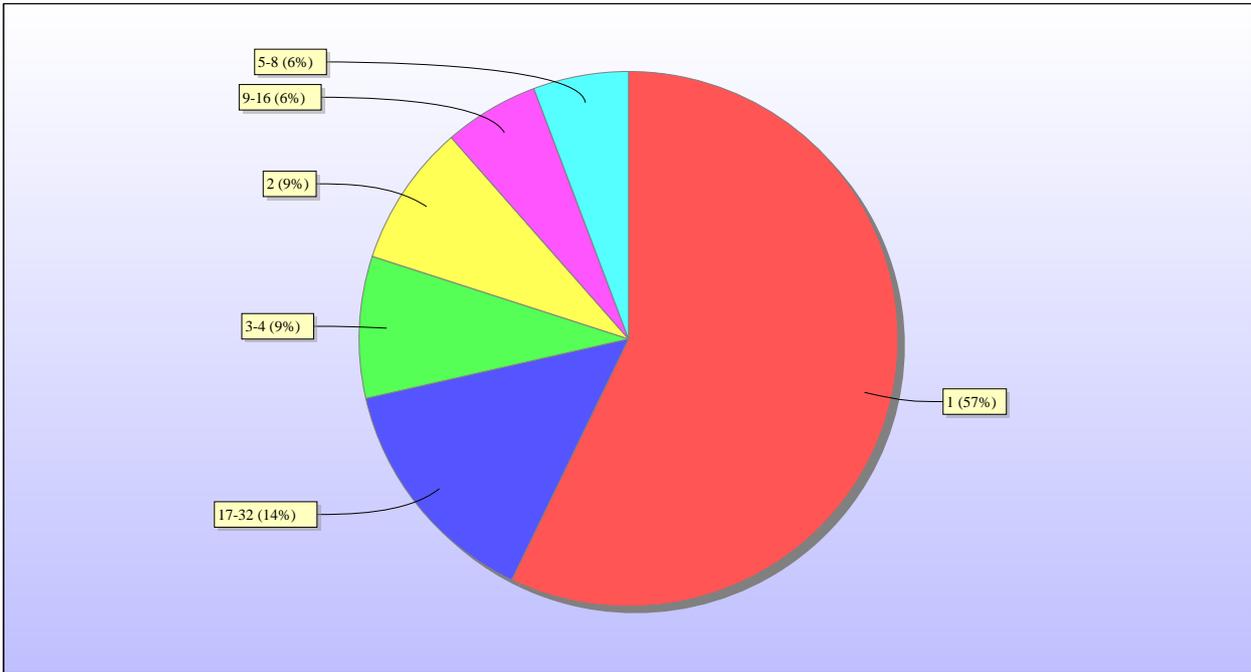


Jobs by Size



1

kAUs used by Size

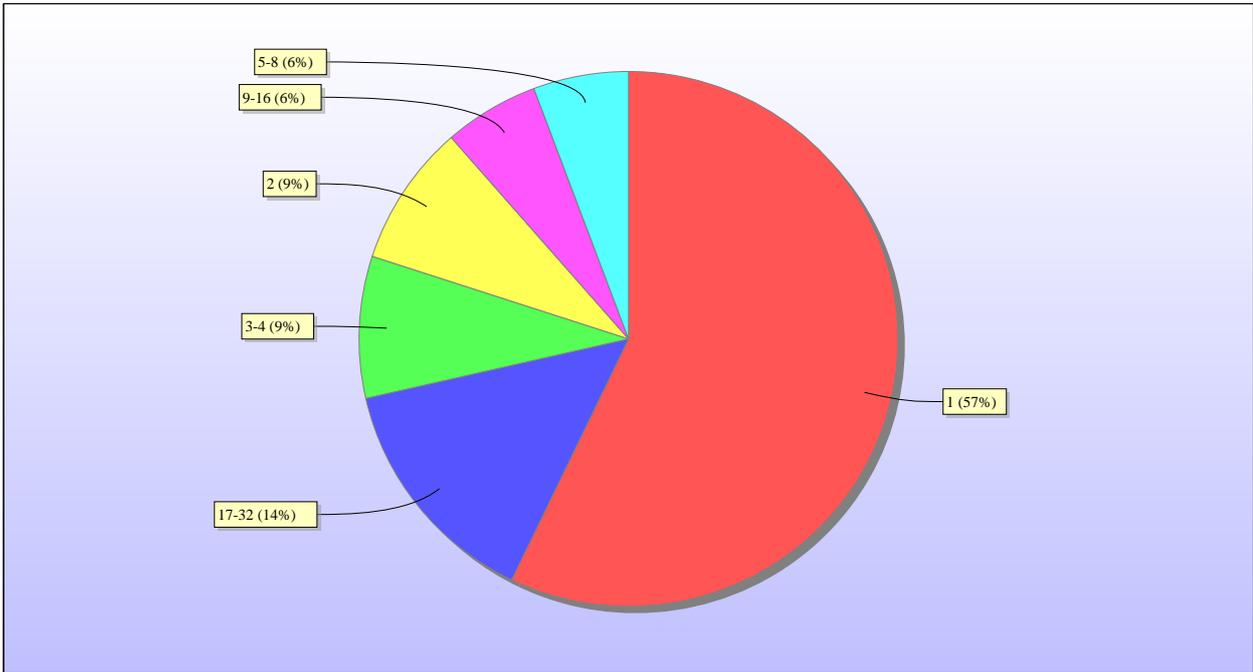


Jobs grouped by wall-clock-hours



- 1
- 2
- 3-4
- 17-32
- 5-8
- 9-16

kAUs used grouped by wall-clock-hours



- 1
- 17-32
- 3-4
- 2
- 9-16
- 5-8

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)

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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.

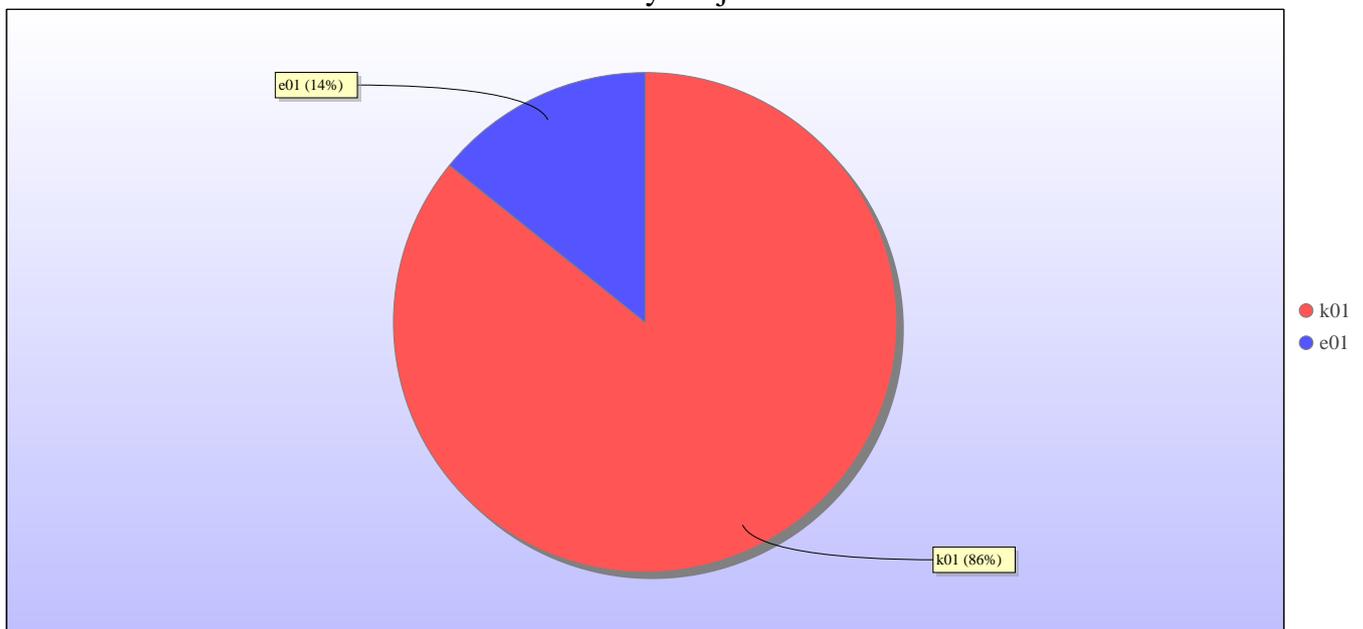
Use and Allocations (by Project)

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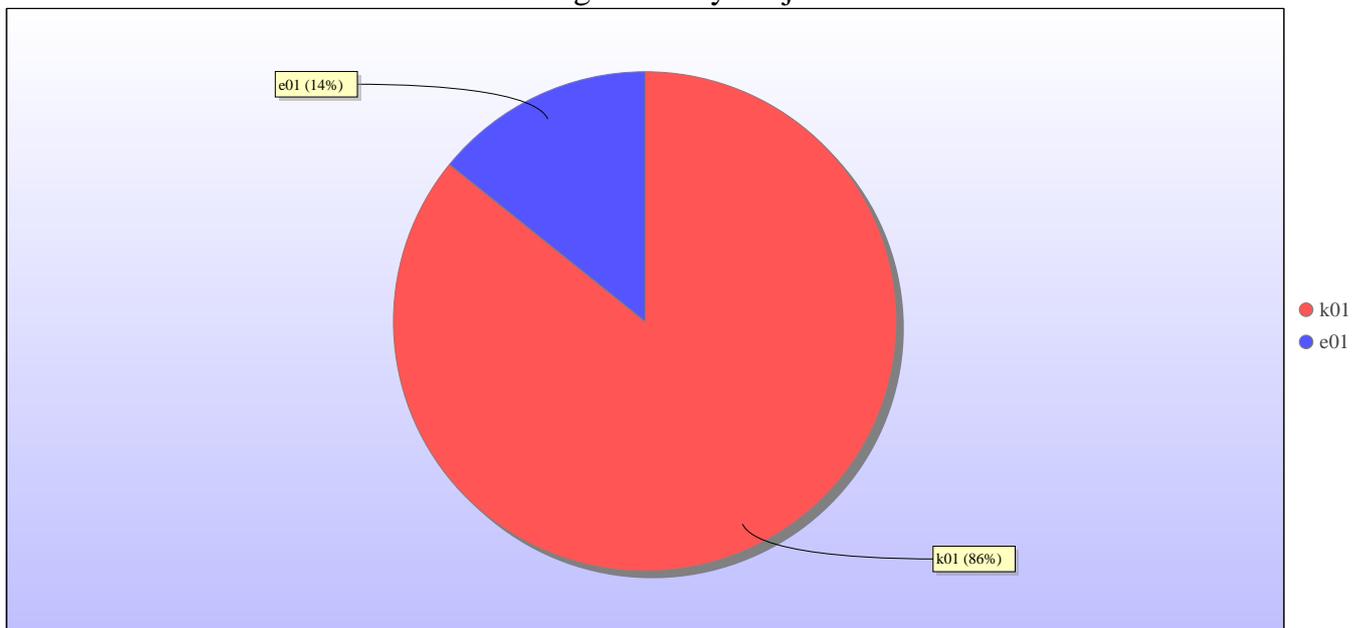
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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
e01	Consortia	52	0.0		196.4		0.0	
k01	Service	91	0.0		1,189.1		0.0	
EPSRC Total		143	0.0		1,385.4		0.0	
Total		143	0.0	0	1,385.4	0	0.0	0

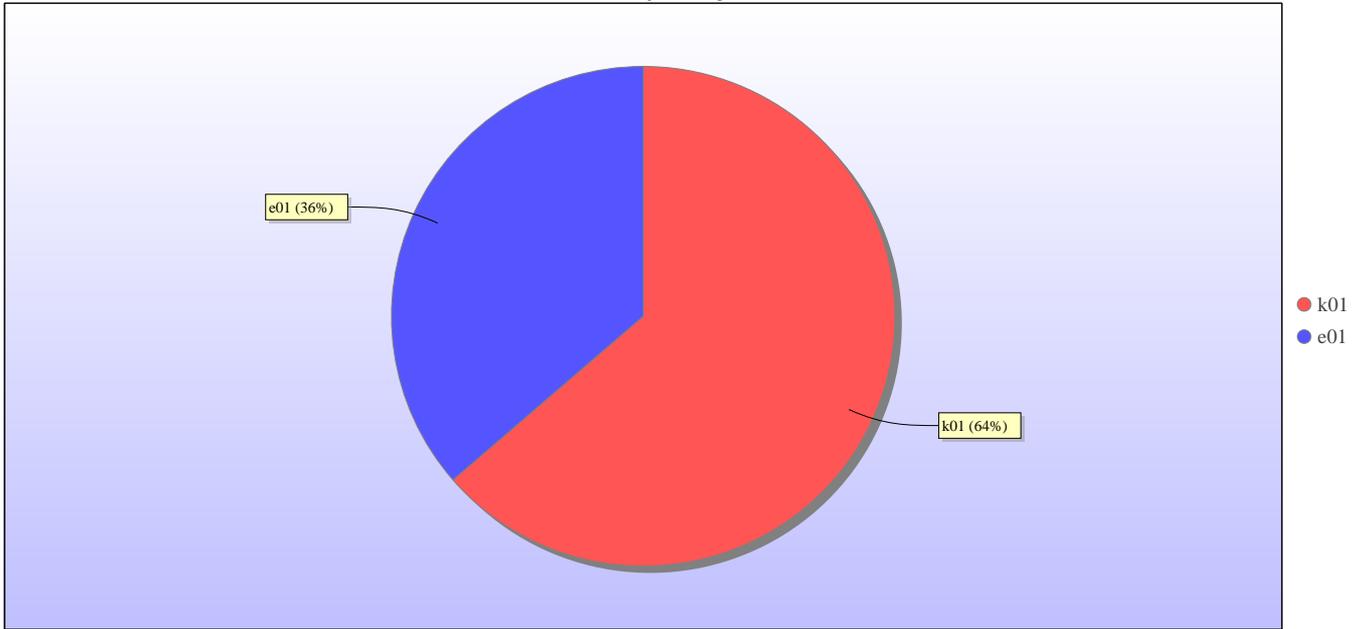
Use by Project



Uncharged Use by Project



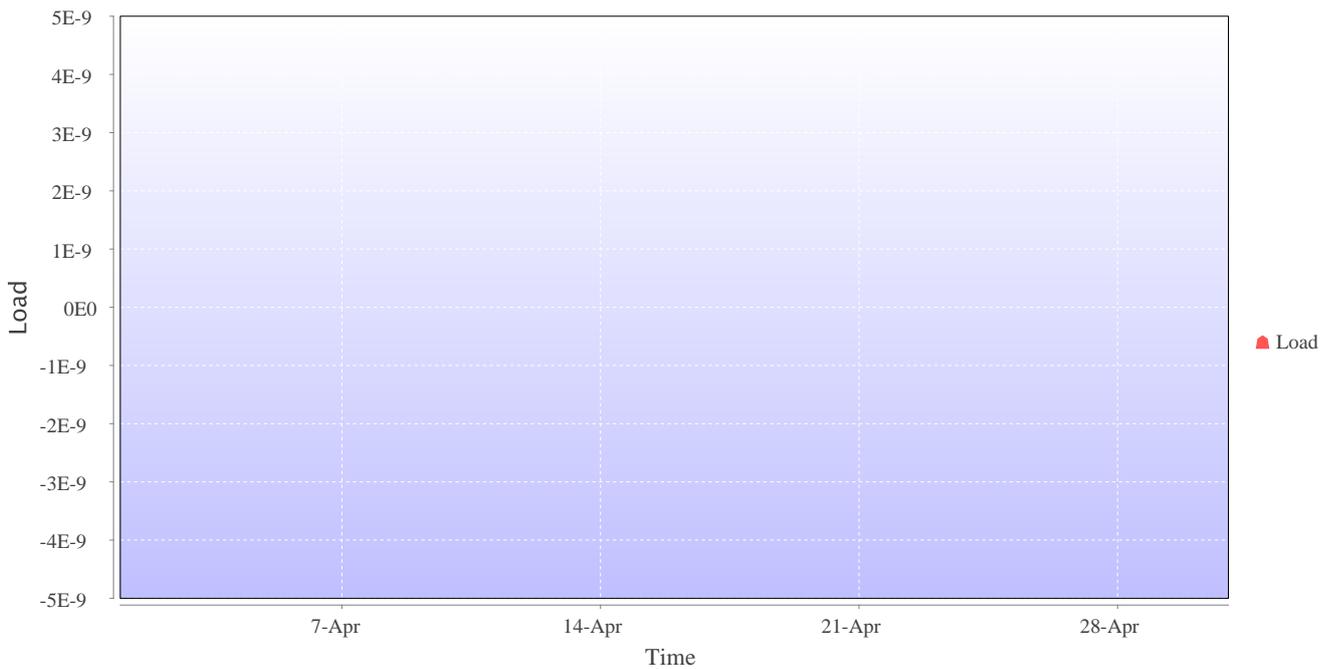
Jobs by Project



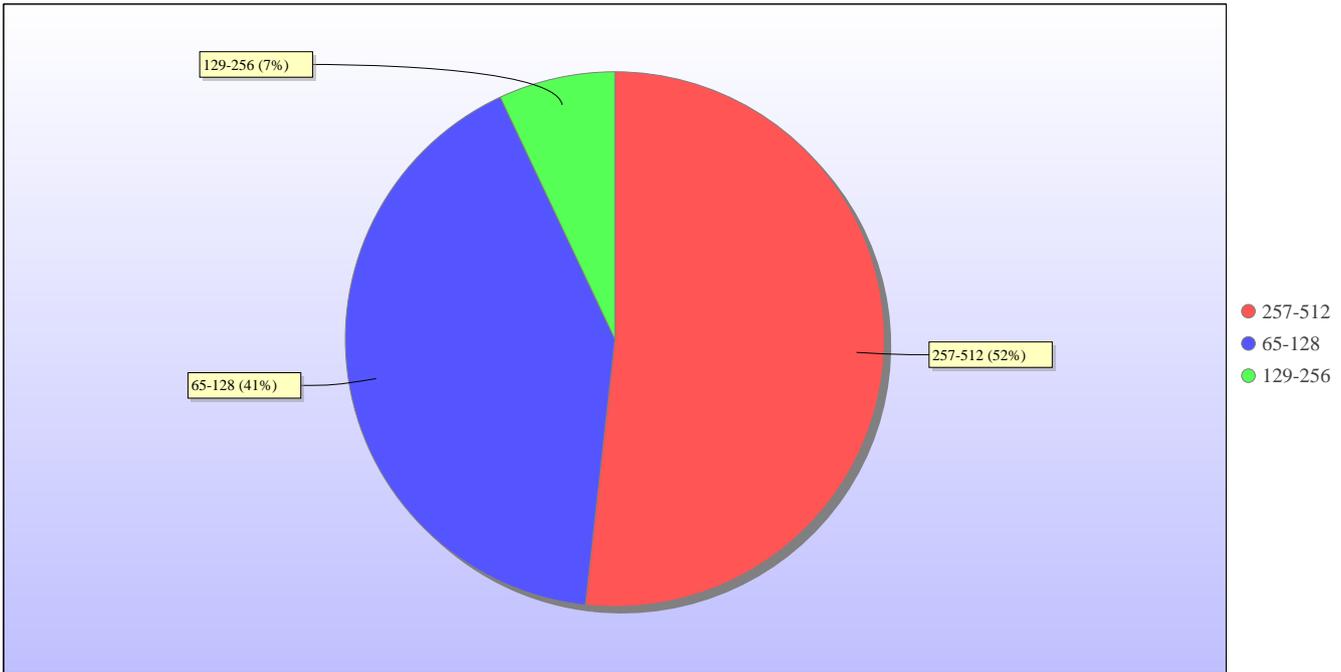
kAUs (by Size)

Size	kAUs	Number of Jobs
65-128	0	59
129-256	0	10
257-512	0	74

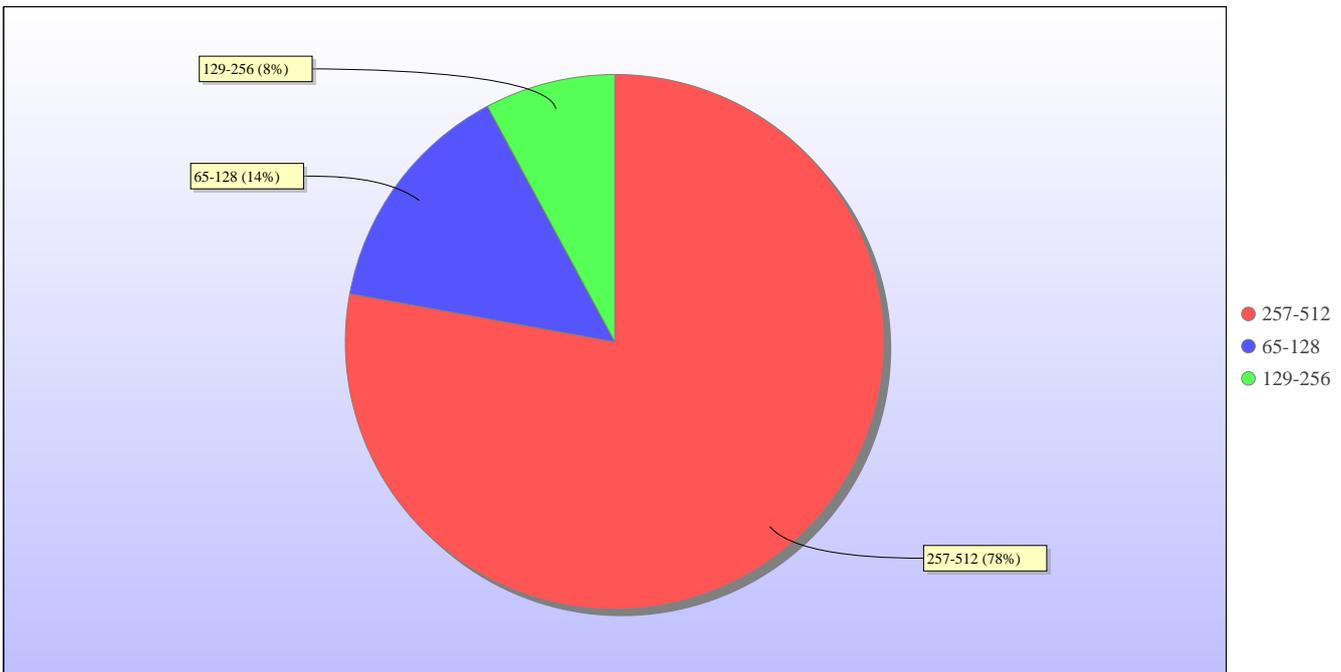
Load plots



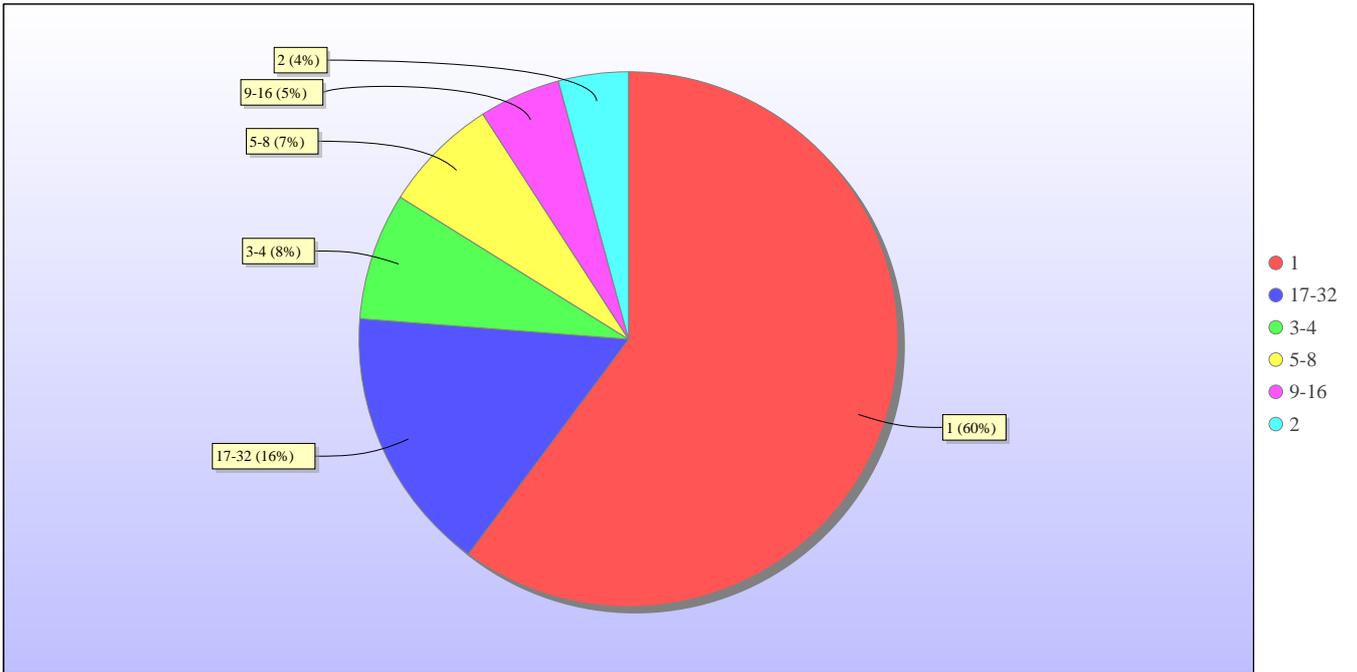
Percentage load on machine



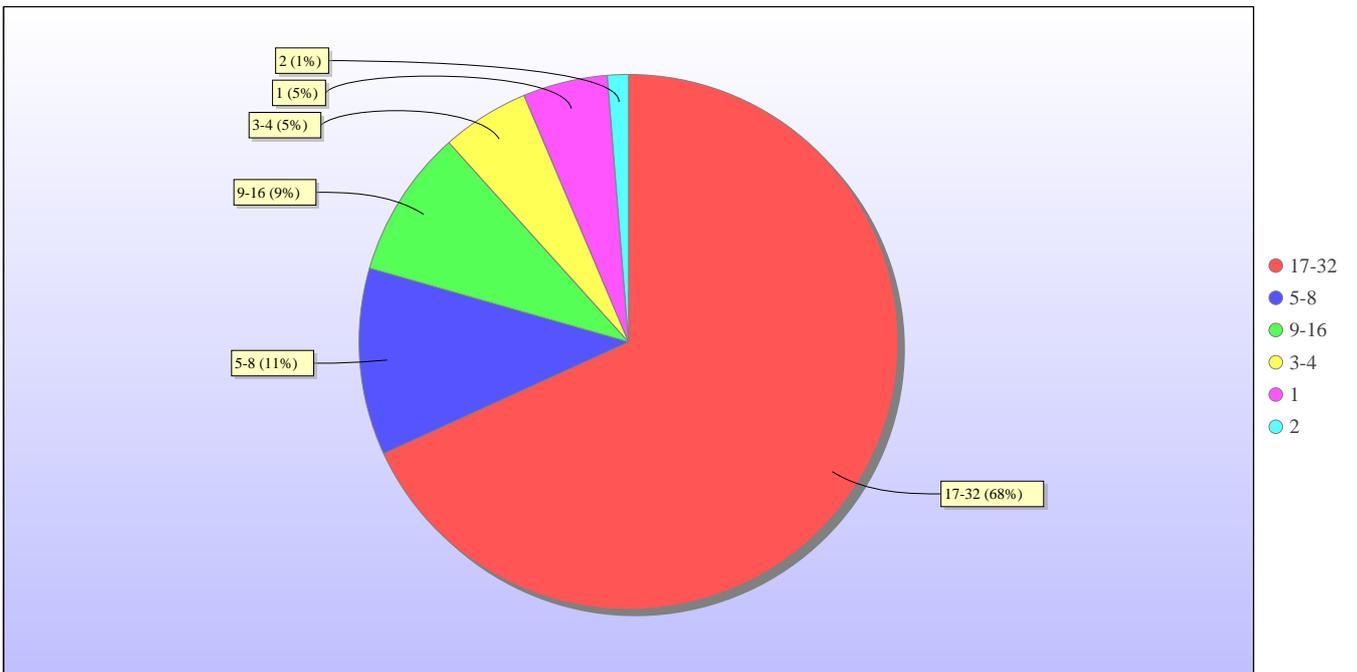
Jobs by Size



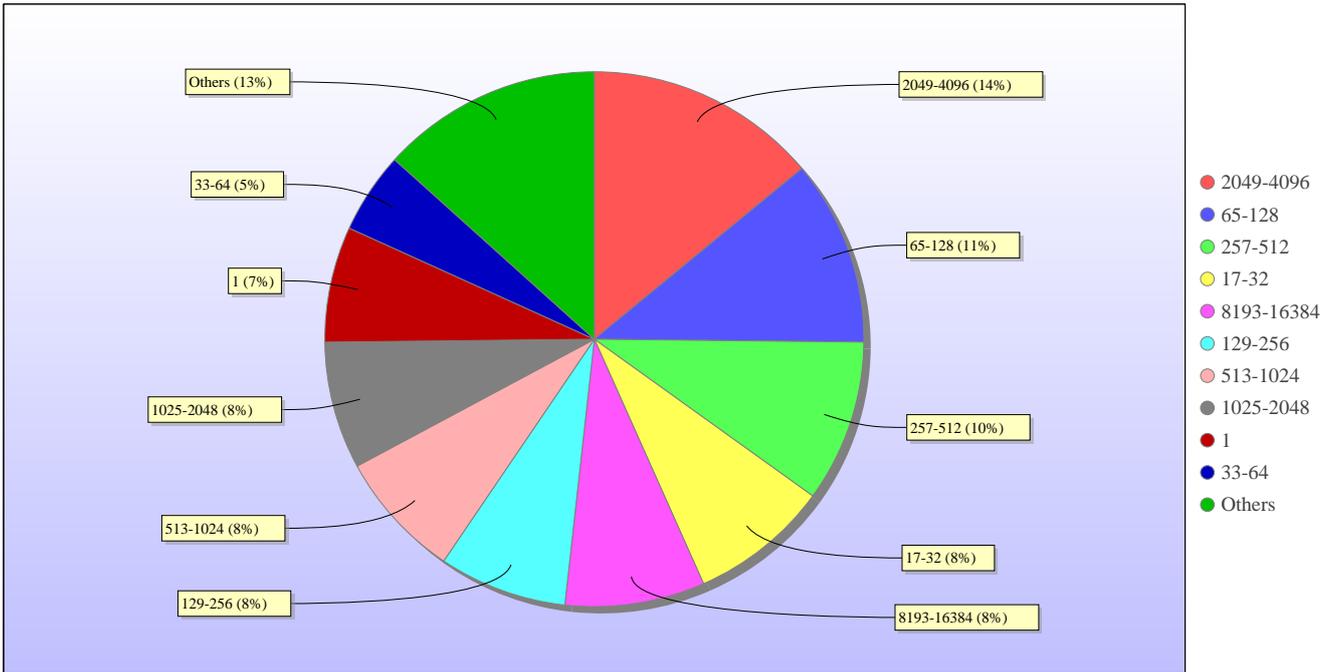
kAUs used by Size



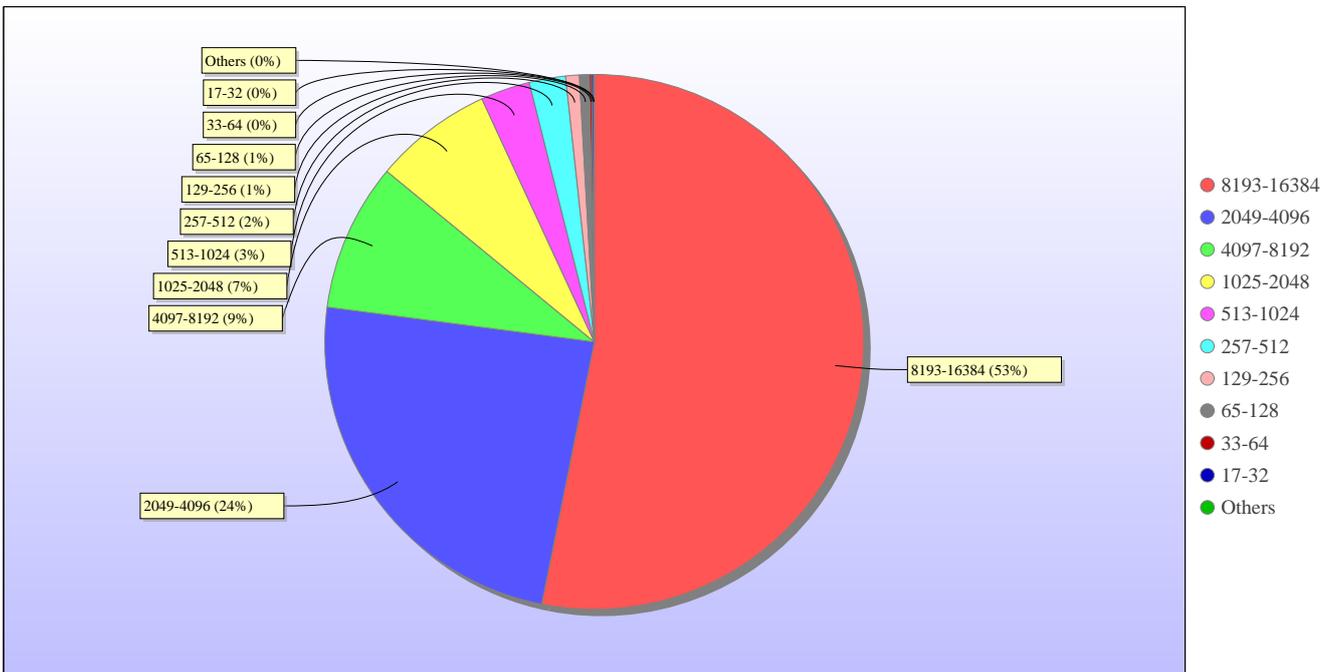
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

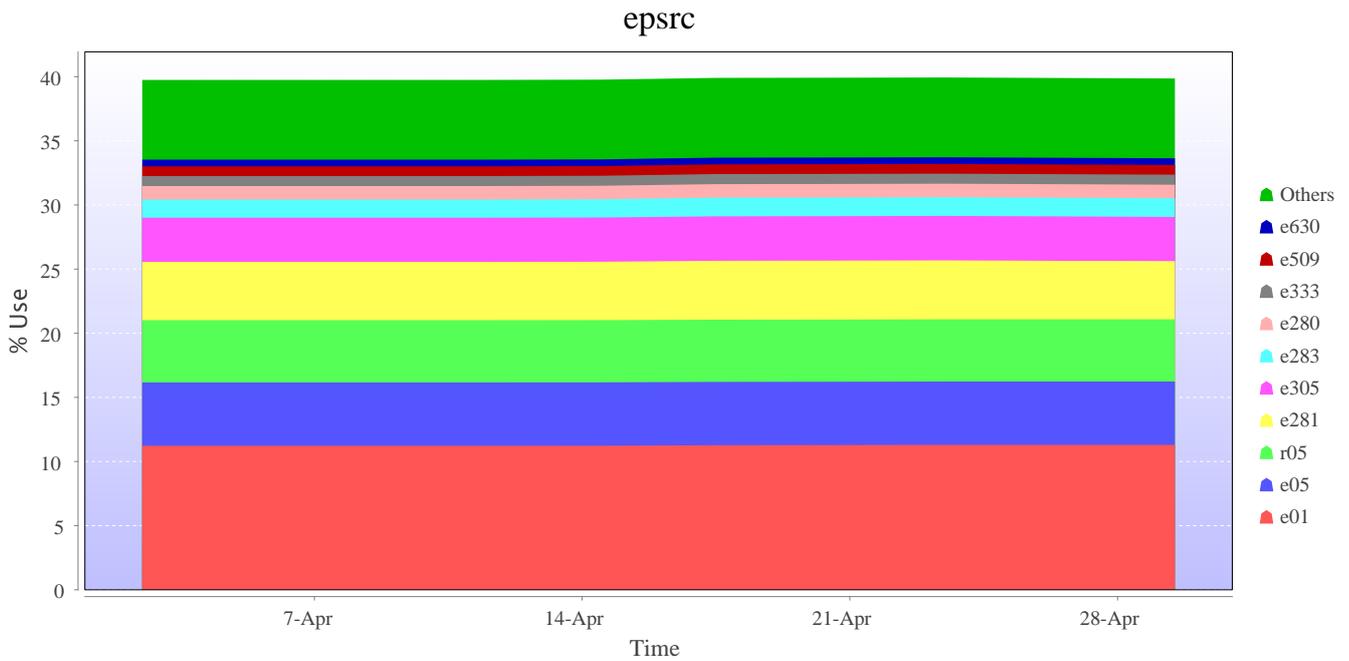


kAUs used grouped by core-hours

Disk usage

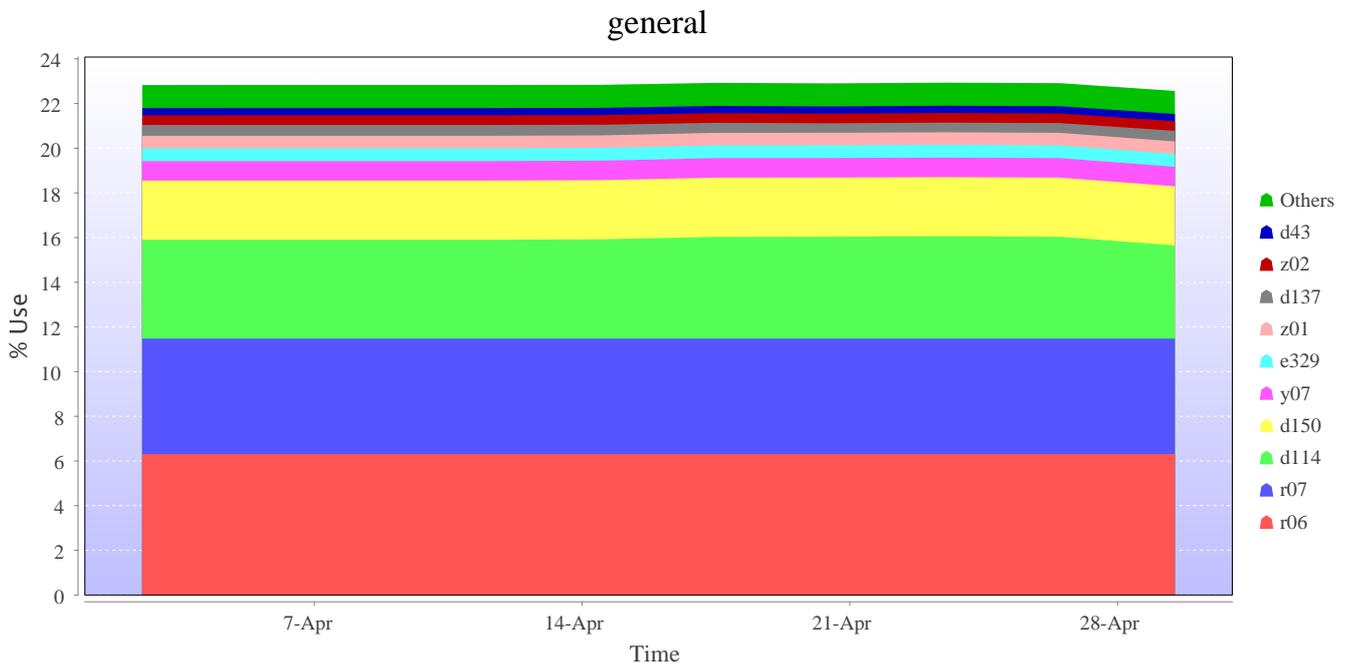
Disk usage for rdf (epsrc)

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.



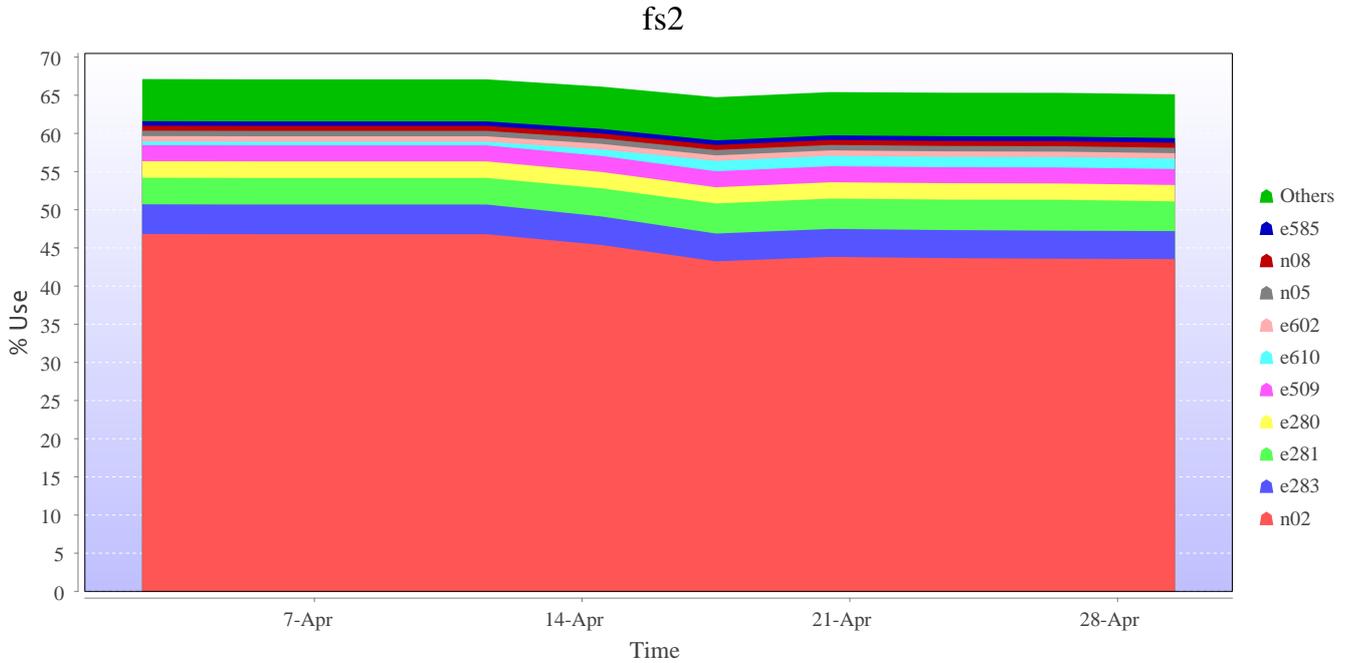
Disk usage for rdf (general)

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.



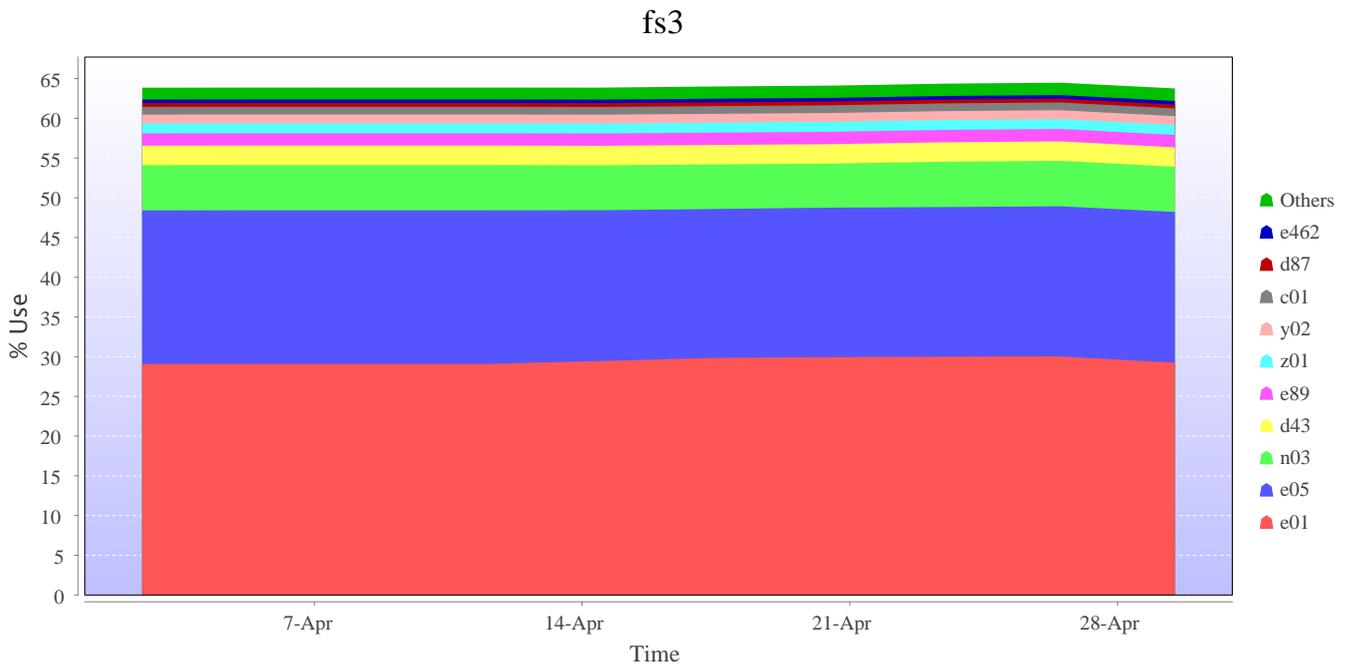
Disk usage for work (fs2)

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.



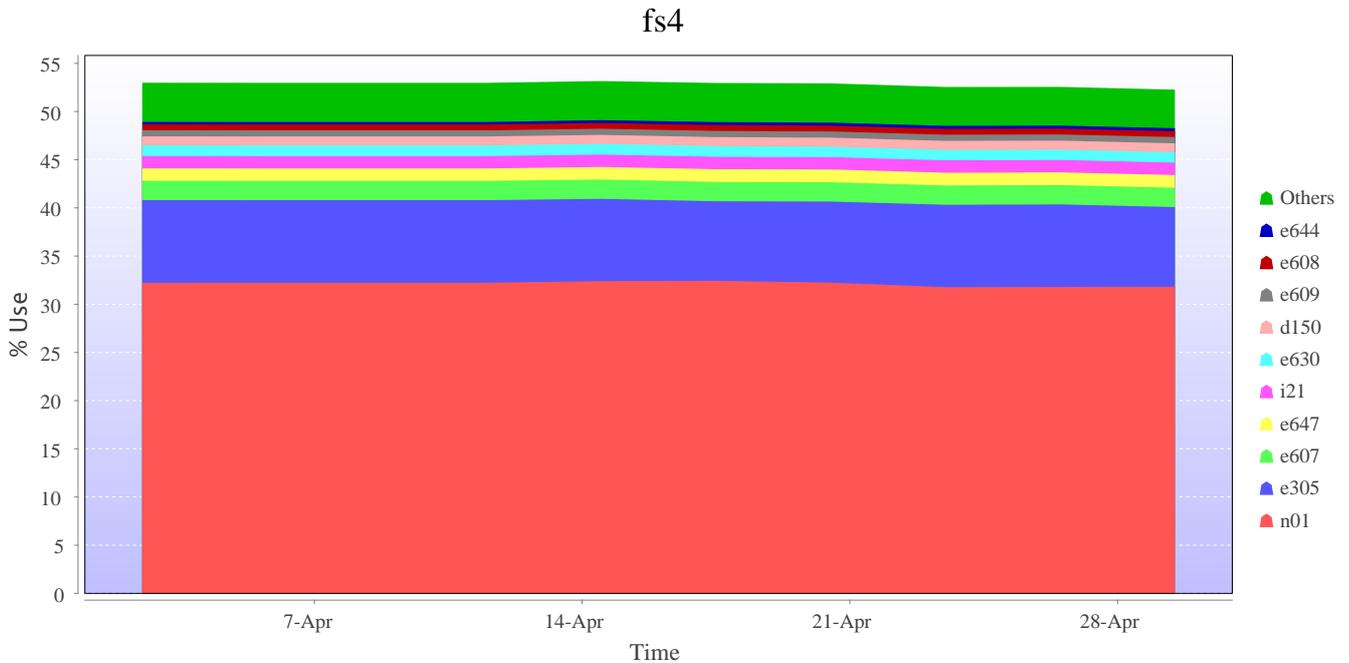
Disk usage for work (fs3)

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.



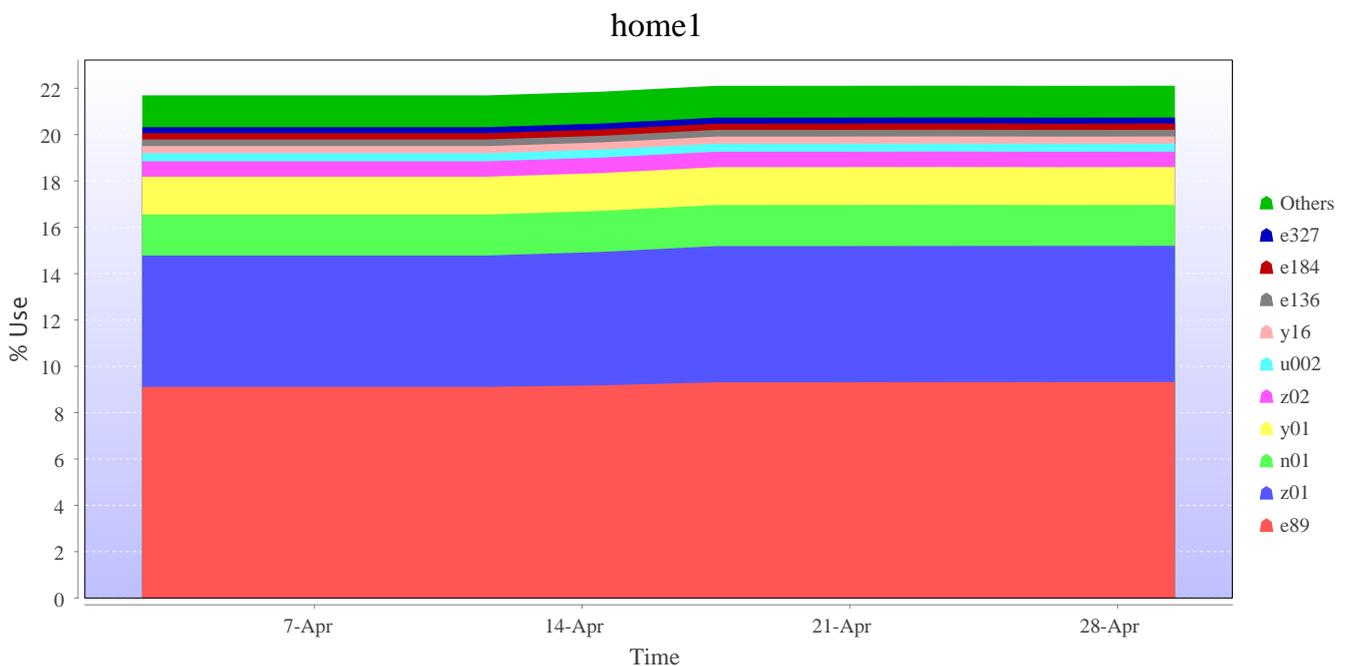
Disk usage for work (fs4)

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.



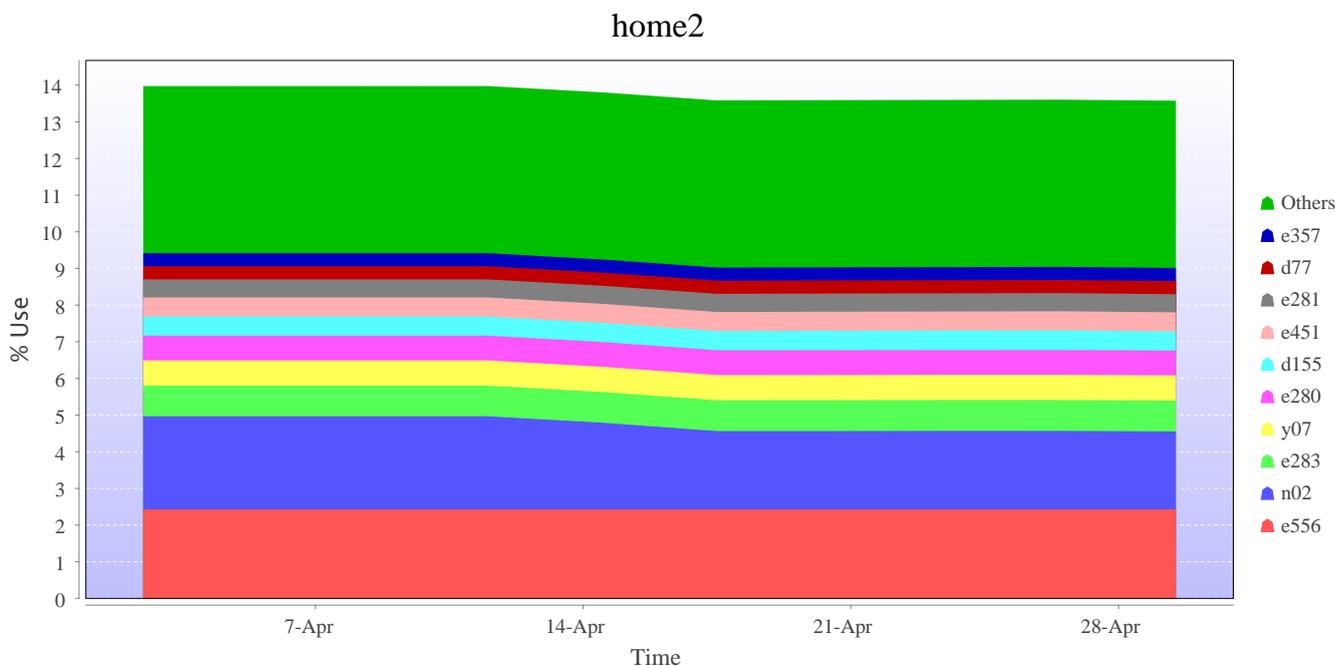
Disk usage for home (home1)

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.



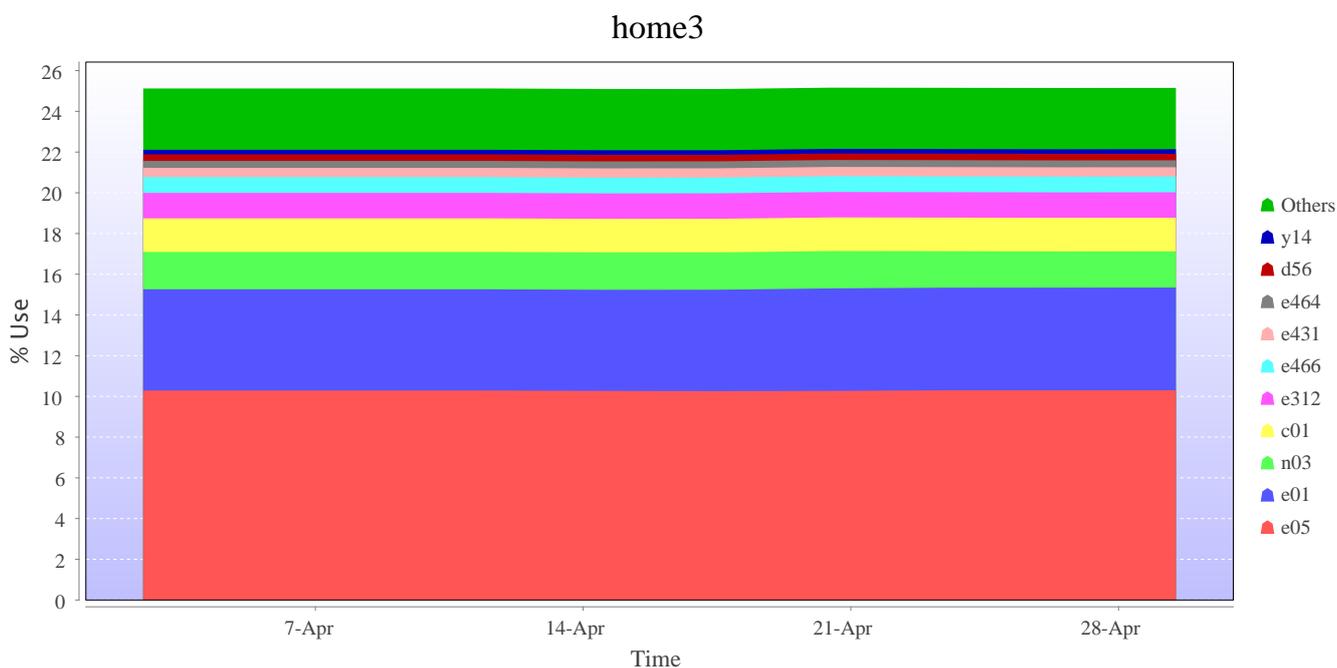
Disk usage for home (home2)

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.



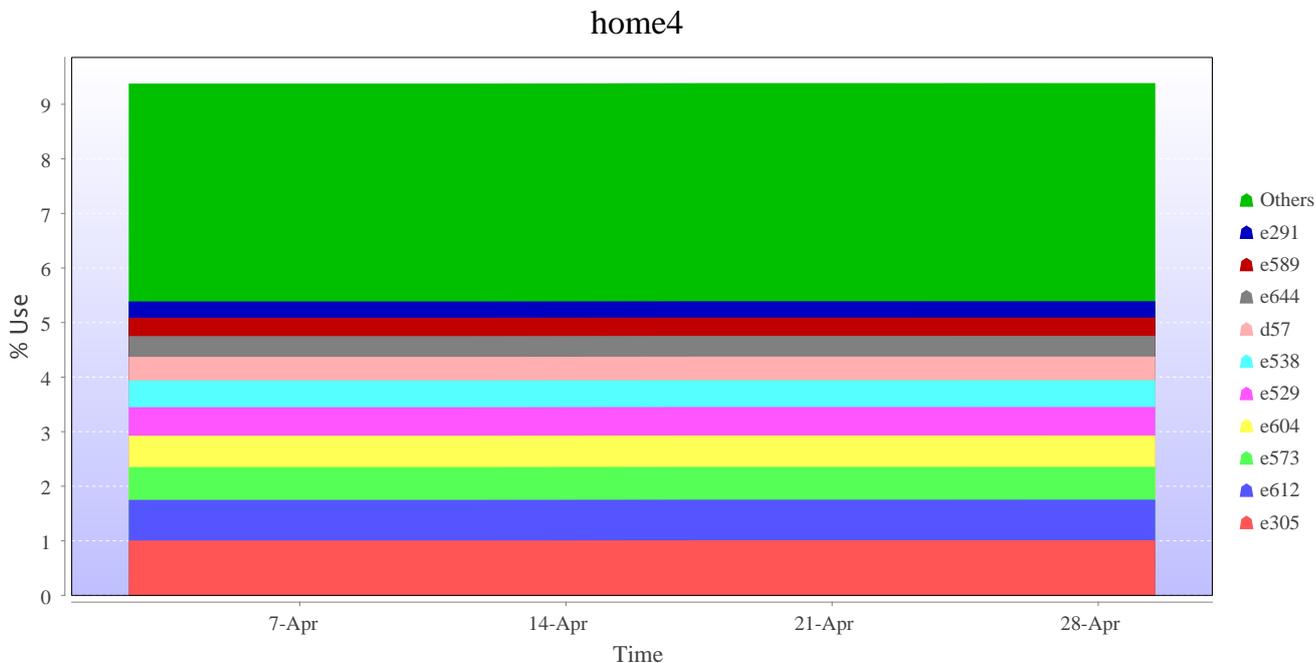
Disk usage for home (home3)

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.



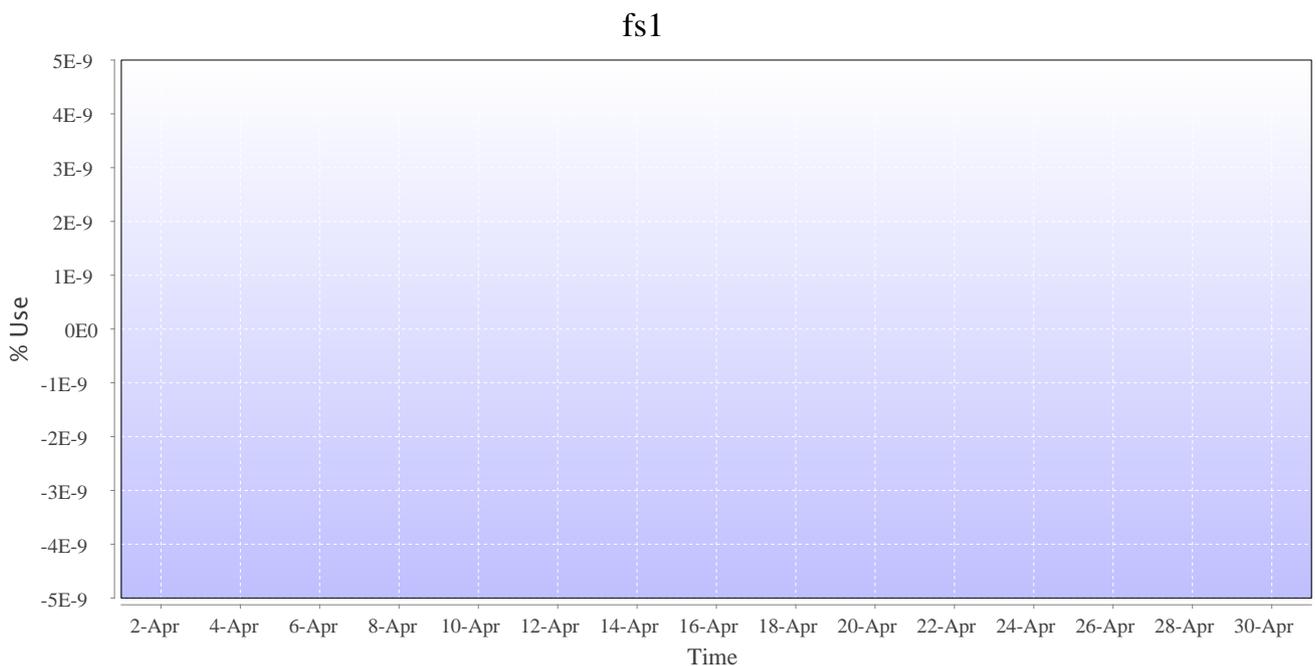
Disk usage for home (home4)

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.



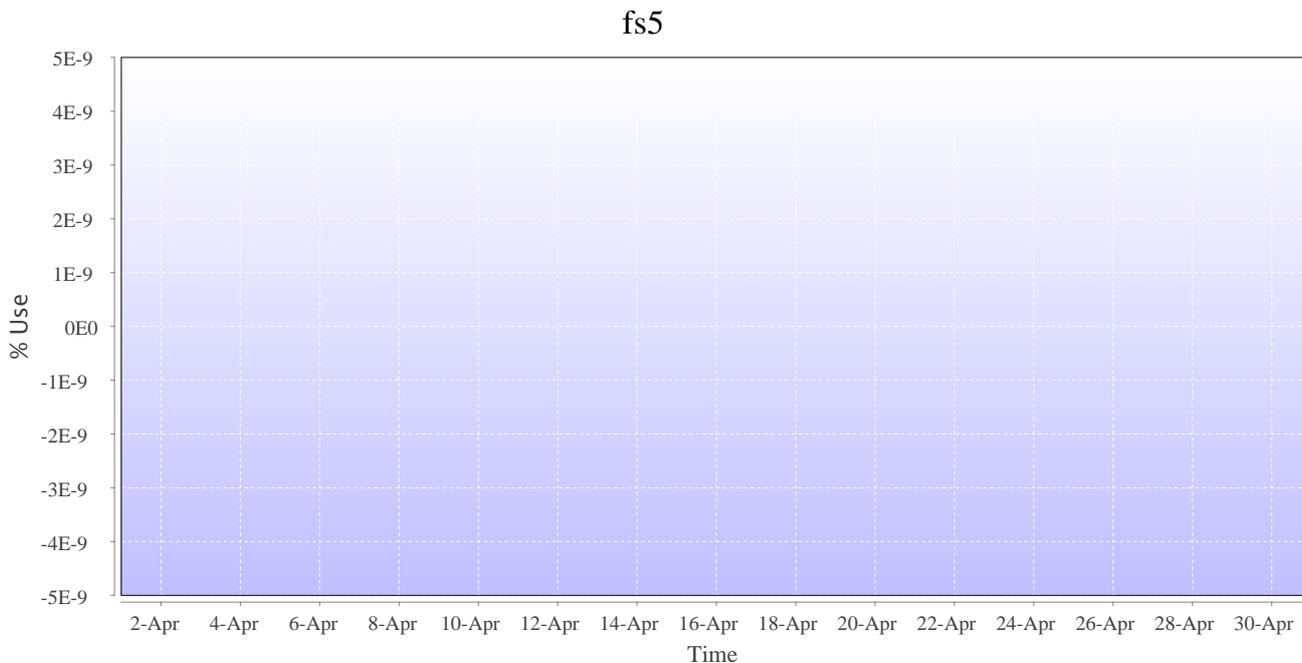
Disk usage for tdswork (fs1)

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.



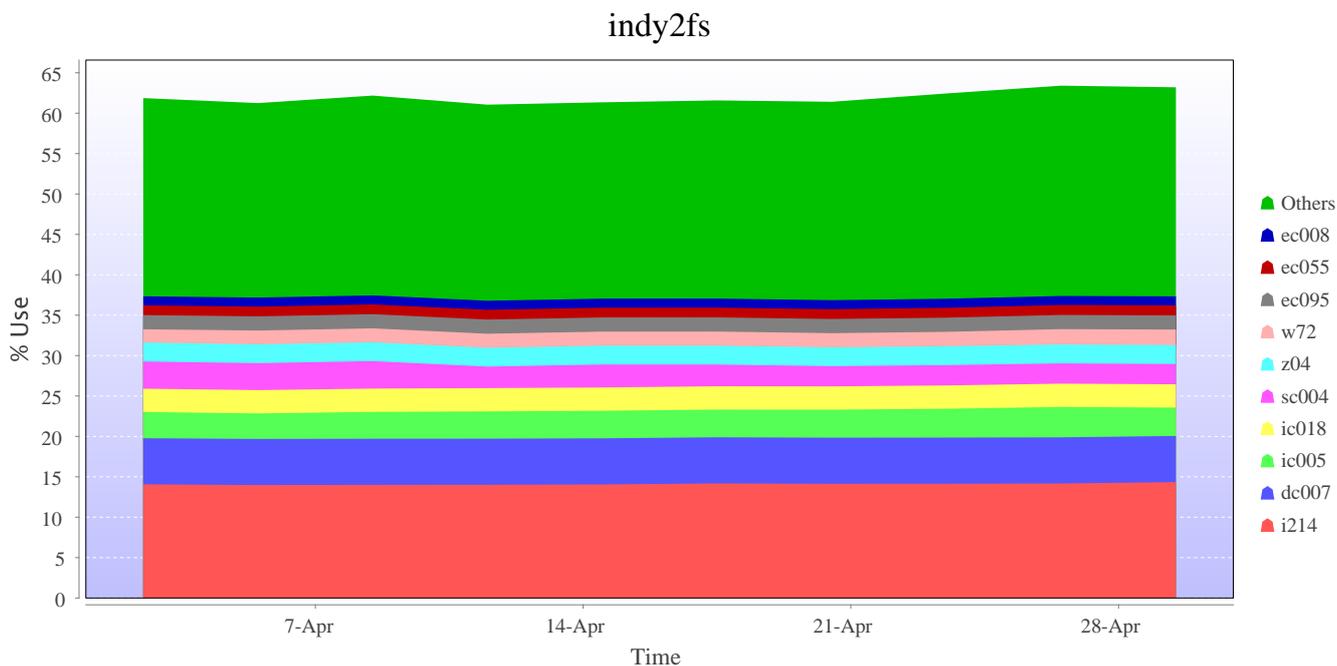
Disk usage for knlwork (fs5)

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.

