

Monthly Reporting

Report from 01 November 2018 to 30 November 2018

Report for Resource Pool XC on ARCHER

A total of 1,275,263.997 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.

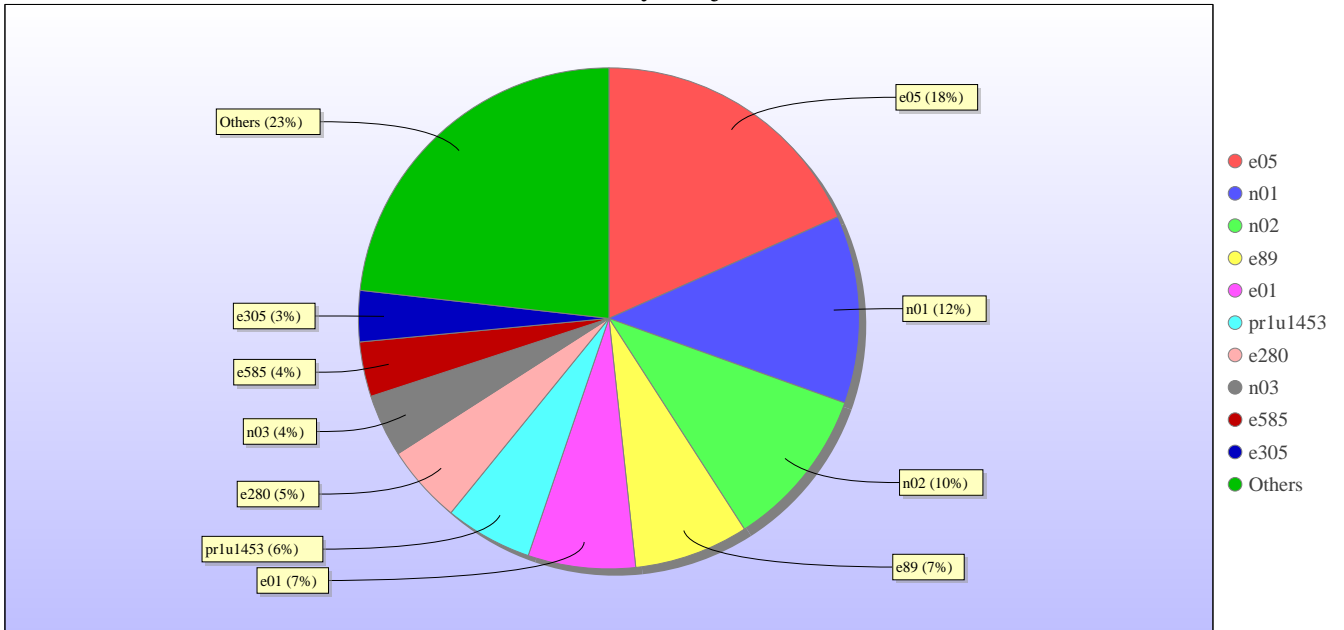
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e462	Leadership Awards	511	15,518.0	1.22%	15,518.0	1.22%	6,716.7	0.53%
e464	Leadership Awards	0	0.0	0.00%	0.0	0.00%	4,923.6	0.39%
e507	Leadership Awards	359	3,209.0	0.25%	3,209.0	0.25%	7,107.1	0.56%
e526	Leadership Awards	0	0.0	0.00%	0.0	0.00%	8,150.3	0.64%
e572	Leadership Awards	60	94.5	0.01%	94.5	0.01%	2,458.5	0.19%
c01	Class1a	1,567	2,311.9	0.18%	2,315.1	0.18%	6,133.4	0.48%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	127.7	0.01%
e341	Class1a	0	0.0	0.00%	0.0	0.00%	2,060.4	0.16%
e365	Class1a	8	758.0	0.06%	758.0	0.06%	2,300.8	0.18%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,344.3	0.65%
e432	Class1a	80	4,222.4	0.33%	4,222.4	0.33%	6,311.4	0.49%
e448	Class1a	9,986	19,813.1	1.55%	19,813.1	1.55%	32,485.5	2.55%
e480	Class1a	0	0.0	0.00%	0.0	0.00%	1,317.0	0.10%
e514	Class1a	0	0.0	0.00%	0.0	0.00%	497.1	0.04%
e515	Class1a	5	40.1	0.00%	40.1	0.00%	1,630.1	0.13%
e516	Class1a	150	2,221.3	0.17%	2,221.3	0.17%	6,337.2	0.50%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	132.6	0.01%
e518	Class1a	0	0.0	0.00%	0.0	0.00%	1,318.7	0.10%
e519	Class1a	60	11,507.3	0.90%	11,507.5	0.90%	14,835.2	1.16%
e520	Class1a	2	174.0	0.01%	174.0	0.01%	1,755.9	0.14%
e523	Class1a	11	11,144.8	0.87%	11,144.8	0.87%	8,150.3	0.64%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	1,793.1	0.14%
e530	Class1a	45	2,888.3	0.23%	2,888.3	0.23%	1,099.5	0.09%
e537	Class1a	3	1.9	0.00%	1.9	0.00%	3,738.5	0.29%
e558	Class1a	10	0.0	0.00%	1.8	0.00%	739.7	0.06%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,924.2	0.15%
e571	Class1a	35	79.0	0.01%	79.0	0.01%	163.9	0.01%
e575	Class1a	0	0.0	0.00%	0.0	0.00%	2,319.9	0.18%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	2,389.3	0.19%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	1,347.5	0.11%
e588	Class1a	25	695.9	0.05%	695.9	0.05%	1,307.6	0.10%
e605	Class1a	77	2,688.7	0.21%	2,688.7	0.21%	1,311.2	0.10%
e606	Class1a	173	7,421.9	0.58%	7,421.9	0.58%	3,722.5	0.29%
e607	Class1a	0	0.0	0.00%	0.0	0.00%	4,945.1	0.39%
e608	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e609	Class1a	30	2.5	0.00%	2.5	0.00%	9,065.9	0.71%
e554	Class1b	0	0.0	0.00%	0.0	0.00%	163.0	0.01%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,582	75,861.9	5.95%	79,061.0	6.20%	82,775.4	6.49%
e05	Consortia	8,689	190,227.7	14.92%	209,288.5	16.41%	179,959.4	14.11%
e89	Consortia	3,014	83,026.5	6.51%	84,246.8	6.61%	117,326.4	9.20%
e280	Consortia	2,526	57,698.6	4.52%	57,698.6	4.52%	53,046.1	4.16%
e281	Consortia	258	29,105.3	2.28%	29,107.8	2.28%	22,811.7	1.79%
e283	Consortia	842	25,707.5	2.02%	25,707.5	2.02%	13,680.7	1.07%
e305	Consortia	759	37,562.5	2.95%	37,564.3	2.95%	23,617.3	1.85%
e585	Consortia	849	39,493.7	3.10%	40,306.1	3.16%	24,725.3	1.94%
e348	Direct Access: ARCHER RAP	449	3,328.8	0.26%	3,328.8	0.26%	5,187.4	0.41%
e564	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,247.7	0.33%
e565	Direct Access: ARCHER RAP	425	16,521.8	1.30%	16,521.8	1.30%	4,096.9	0.32%
e566	Direct Access: ARCHER RAP	25	1,590.9	0.12%	1,590.9	0.12%	6,649.1	0.52%
e567	Direct Access: ARCHER RAP	205	20,649.0	1.62%	20,649.4	1.62%	4,958.6	0.39%
e590	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,611.6	0.13%
e593	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	7,333.6	0.58%
e595	Direct Access: ARCHER RAP	32	223.3	0.02%	223.3	0.02%	3,262.6	0.26%
e596	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,180.1	0.09%
e597	Direct Access: ARCHER RAP	14	11,802.1	0.93%	11,802.1	0.93%	9,787.9	0.77%
e599	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,120.4	0.32%
e601	Direct Access: ARCHER RAP	45	654.9	0.05%	655.0	0.05%	4,518.5	0.35%
e602	Direct Access: ARCHER RAP	42	330.8	0.03%	330.8	0.03%	1,817.9	0.14%
e603	Direct Access: ARCHER RAP	31	5,150.7	0.40%	5,232.7	0.41%	3,029.9	0.24%
e582	Instant Access	60	753.0	0.06%	753.0	0.06%	196.1	0.02%
e591	Instant Access	0	0.0	0.00%	0.0	0.00%	136.9	0.01%
e592	Instant Access	0	0.0	0.00%	0.0	0.00%	140.1	0.01%
e594	Instant Access	0	0.0	0.00%	0.0	0.00%	366.3	0.03%
e598	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e600	Instant Access	0	0.0	0.00%	0.0	0.00%	195.6	0.02%
e556	Training	6	0.0	0.00%	259.7	0.02%	2,513.1	0.20%
e573	Training	15	54.0	0.00%	54.0	0.00%	1,855.8	0.15%
e589	Training	132	1,389.5	0.11%	1,389.5	0.11%	2,950.8	0.23%
e604	Training	554	5,391.0	0.42%	5,425.6	0.43%	1,847.9	0.14%
y16	Service	27	60.9	0.00%	61.1	0.00%	137.0	0.01%
z17	Service	33	1,992.5	0.16%	1,992.5	0.16%	3,260.1	0.26%
EPSRC Total		33,811	693,369.4	54.37%	718,048.5	56.31%	752,664.6	59.02%
n01	Consortia	8,013	140,142.5	10.99%	138,370.3	10.85%	105,616.4	8.28%
n02	Consortia	21,648	119,371.2	9.36%	118,942.0	9.33%	166,027.4	13.02%
n03	Consortia	2,376	46,064.2	3.61%	46,064.3	3.61%	87,123.3	6.83%
NERC Total		32,037	305,577.8	23.96%	303,376.6	23.79%	358,767.1	28.13%
e568	Research	337	7,593.5	0.60%	7,593.5	0.60%	4,073.7	0.32%
BBSRC Total		337	7,593.5	0.60%	7,593.5	0.60%	4,073.7	0.32%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	98.6	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
pr1u1453	DECI: EXEC	311	64,387.2	5.05%	64,387.2	5.05%	8,281.0	0.65%
pr1u1455	DECI: EXEC	8	145.8	0.01%	145.8	0.01%	942.0	0.07%
PRACE Total		319	64,533.0	5.06%	64,533.0	5.06%	9,322.0	0.73%
ecse1001	Consortia	6	241.7	0.02%	241.7	0.02%	407.5	0.03%
ecse0910	eCSE	0	0.0	0.00%	0.0	0.00%	49.4	0.00%
ecse1008	eCSE	0	0.0	0.00%	0.0	0.00%	119.2	0.01%
ecse1012	eCSE	1	0.0	0.00%	0.0	0.00%	59.5	0.00%

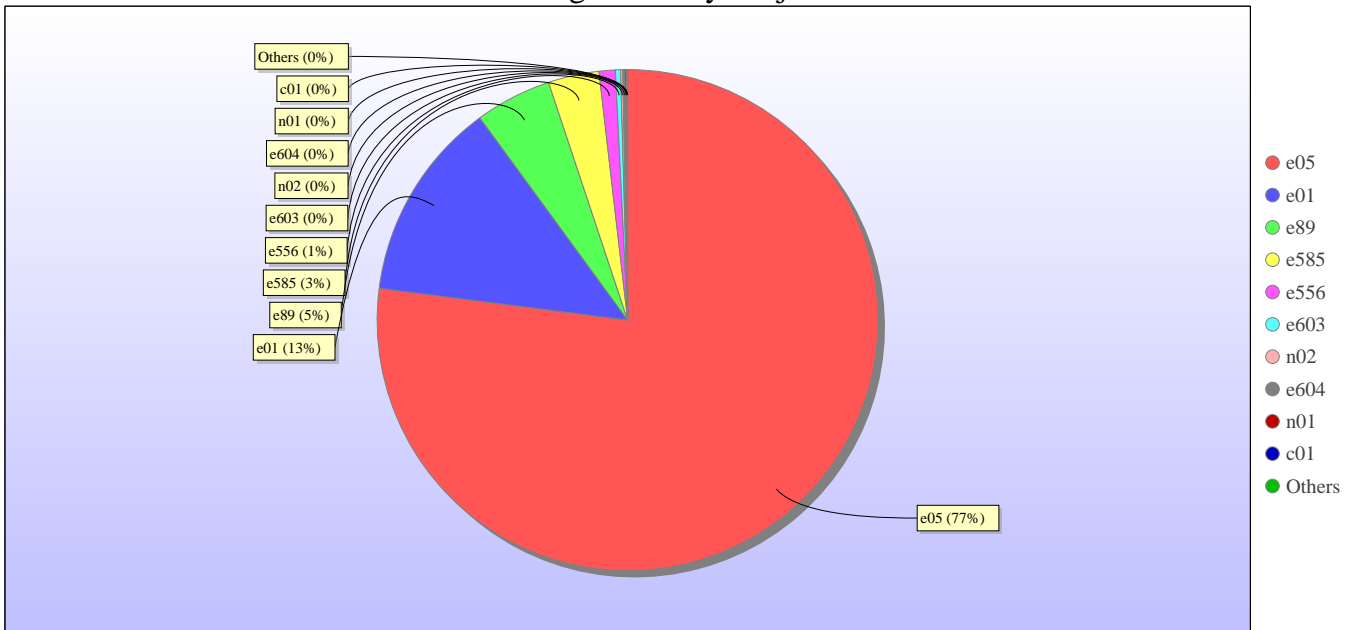
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
ecse1109	eCSE	2	0.0	0.00%	0.0	0.00%	39.7	0.00%
ecse1204	eCSE	0	0.0	0.00%	0.0	0.00%	20.7	0.00%
ecse1208	eCSE	58	53.4	0.00%	53.4	0.00%	43.7	0.00%
ecse1209	eCSE	87	192.0	0.02%	192.0	0.02%	86.3	0.01%
ecse1210	eCSE	30	9,654.1	0.76%	9,654.1	0.76%	694.2	0.05%
ecse1217	eCSE	0	0.0	0.00%	0.0	0.00%	16.7	0.00%
ecse1220	eCSE	0	0.0	0.00%	0.0	0.00%	37.0	0.00%
eCSE Total		184	10,141.2	0.80%	10,141.2	0.80%	1,573.8	0.12%
d43	ECDF	0	0.0	0.00%	0.0	0.00%	2,465.8	0.19%
d25	Research	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
d35	Research	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
d56	Research	1,083	7,836.7	0.61%	7,836.7	0.61%	6,520.3	0.51%
d60	Research	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
d67	Research	2	0.3	0.00%	0.3	0.00%	287.7	0.02%
d71	Research	1	213.0	0.02%	213.0	0.02%	1,068.5	0.08%
d87	Research	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
d100	Research	0	0.0	0.00%	0.0	0.00%	458.7	0.04%
d101	Research	0	0.0	0.00%	0.0	0.00%	534.2	0.04%
d107	Research	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
d114	Research	591	10,507.9	0.82%	10,508.5	0.82%	9,146.3	0.72%
d118	Research	0	0.0	0.00%	0.0	0.00%	102.0	0.01%
d137	Research	143	840.9	0.07%	840.9	0.07%	2,465.8	0.19%
d142	Research	69	1,110.1	0.09%	1,110.3	0.09%	4,109.6	0.32%
d143	Research	24	585.6	0.05%	585.6	0.05%	2,472.5	0.19%
d145	Research	0	0.0	0.00%	0.0	0.00%	246.6	0.02%
d149	Research	0	0.0	0.00%	0.0	0.00%	614.6	0.05%
d150	Research	281	6,872.2	0.54%	6,872.2	0.54%	7,824.3	0.61%
d155	Research	154	3,835.2	0.30%	3,835.2	0.30%	3,452.1	0.27%
d166	Research	39	683.5	0.05%	683.5	0.05%	1,964.7	0.15%
d421	Research	4	636.2	0.05%	636.2	0.05%	0.0	0.00%
d426	Research	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
d153	Industrial	251	404.3	0.03%	404.9	0.03%	543.2	0.04%
d156	Industrial	0	0.0	0.00%	0.0	0.00%	82.8	0.01%
d165	Industrial	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d168	Industrial	1	0.1	0.00%	0.1	0.00%	82.2	0.01%
i18	Industrial	9	348.6	0.03%	348.6	0.03%	2,838.1	0.22%
i20	Industrial	0	0.0	0.00%	0.0	0.00%	99.0	0.01%
i21	Industrial	141	855.5	0.07%	734.3	0.06%	9,778.2	0.77%
i200	Industrial	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
i219	Industrial	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
i225	Industrial	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
i228	Industrial	0	0.0	0.00%	0.0	0.00%	67.7	0.01%
i232	Industrial	25	720.3	0.06%	720.3	0.06%	1,578.1	0.12%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	986.3	0.08%
d74	Training	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d133	Training	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d167	Training	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d131	Service	92	204.2	0.02%	204.2	0.02%	246.6	0.02%
d134	Service	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.9	0.00%
w16	Service	86	1,049.9	0.08%	1,049.9	0.08%	228.2	0.02%
y01	Service	1	0.0	0.00%	0.0	0.00%	19.6	0.00%
y02	Service	3	0.0	0.00%	0.0	0.00%	82.2	0.01%
y07	Service	46	0.2	0.00%	0.8	0.00%	8.2	0.00%
z02	Service	5	0.0	0.00%	0.0	0.00%	41.1	0.00%
z99	Service	23	0.2	0.00%	0.2	0.00%	8.2	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
DirectorsTime Total		3,074	36,704.8	2.88%	36,585.6	2.87%	62,521.2	4.90%
y14	Training	681	551.3	0.04%	367.7	0.03%	575.3	0.05%
y21	Service	3	0.5	0.00%	0.5	0.00%	411.0	0.03%
z19	Service	411	19.4	0.00%	20.9	0.00%	5,753.4	0.45%
CSE Total		1,095	571.1	0.04%	389.0	0.03%	6,739.7	0.53%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
Total		70,857	1,118,490.9	87.71%	1,140,667.5	89.45%	1,195,662.2	93.76%

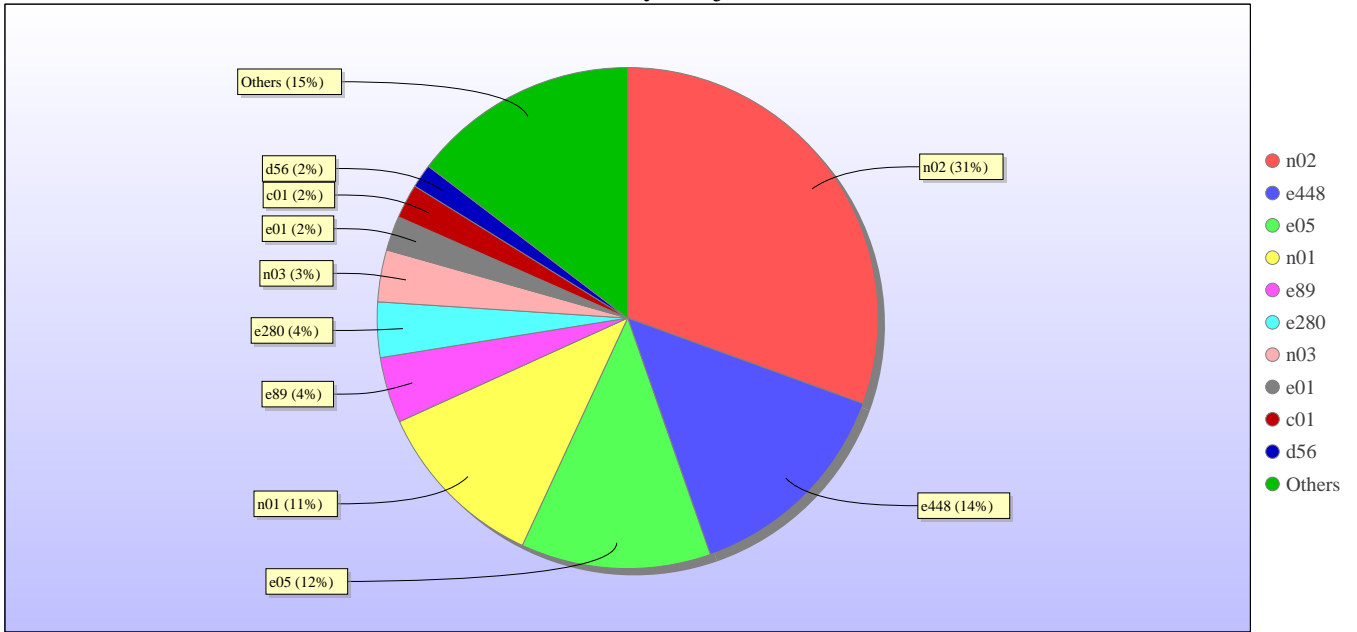
Use by Project



Uncharged Use by Project



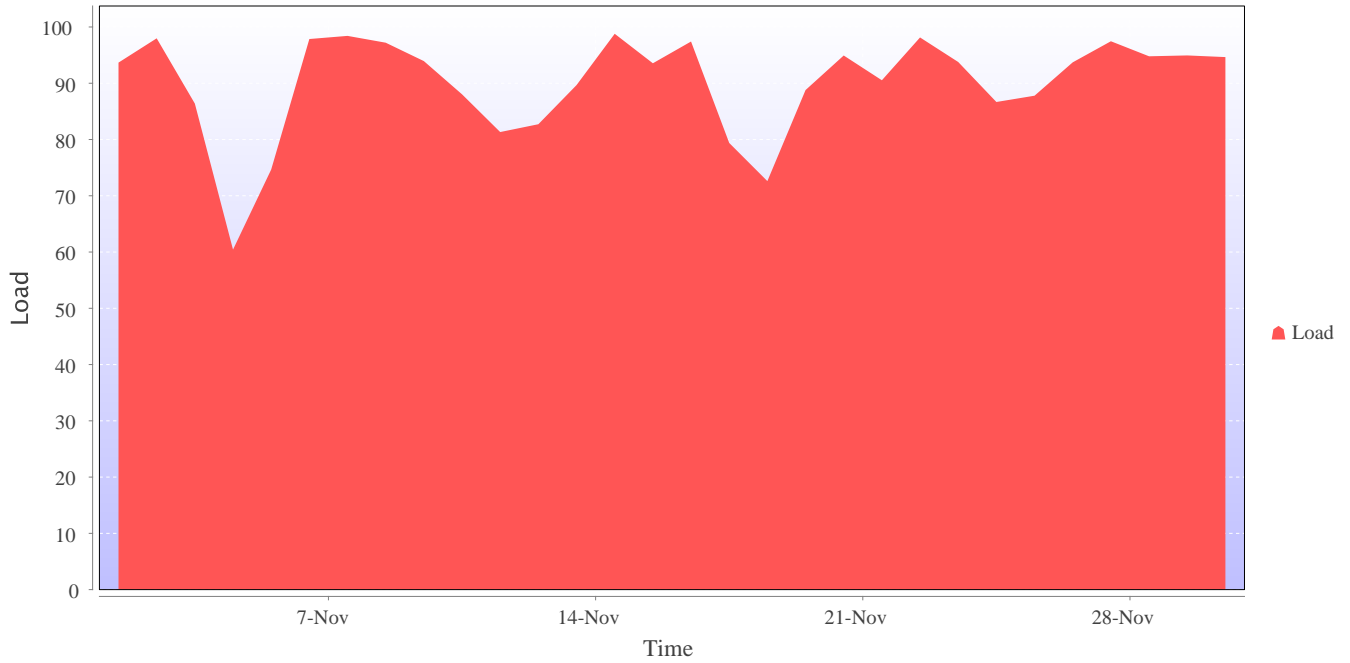
Jobs by Project



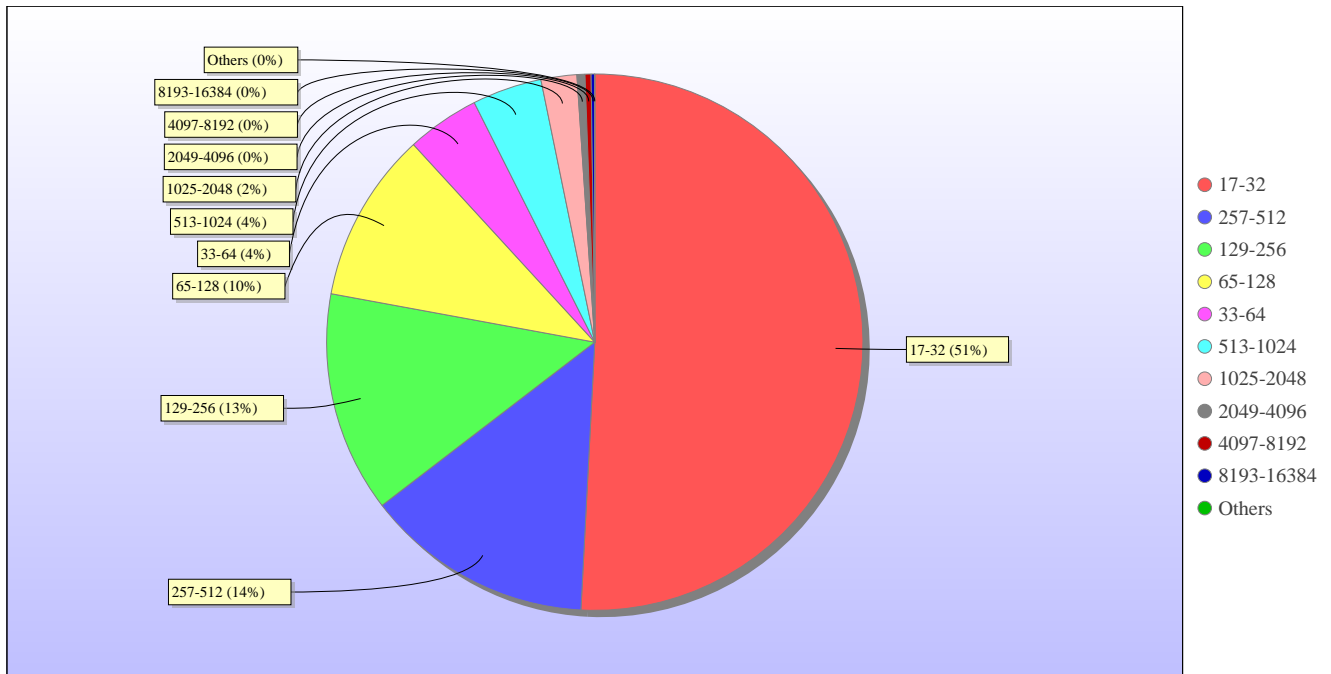
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	10,345.633	36,007
33-64	9,165.817	3,115
65-128	47,079.651	7,291
129-256	131,562.853	9,429
257-512	217,514.577	9,749
513-1024	252,402.405	2,972
1025-2048	163,631.251	1,530
2049-4096	75,214.952	341
4097-8192	125,753.22	258
8193-16384	72,881.046	149
16385-32768	1,969.237	4
32769-65536	3,262.821	2

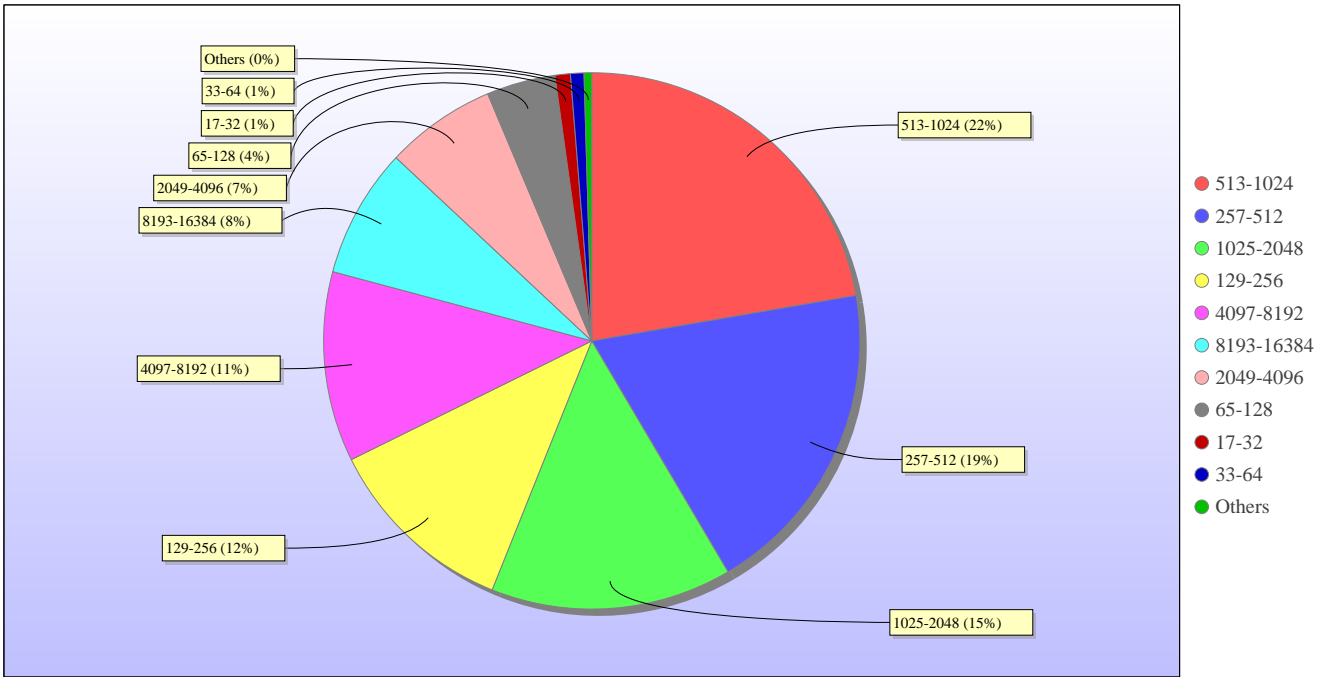
Load plots



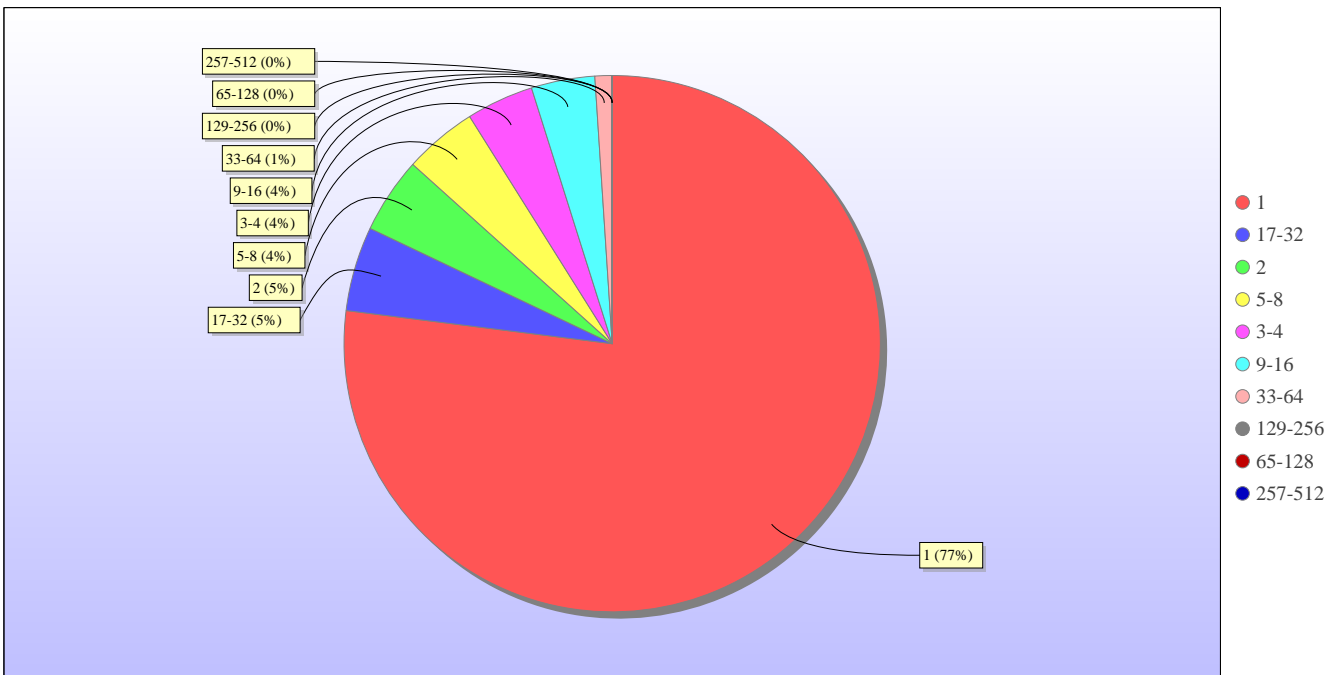
Percentage load on machine



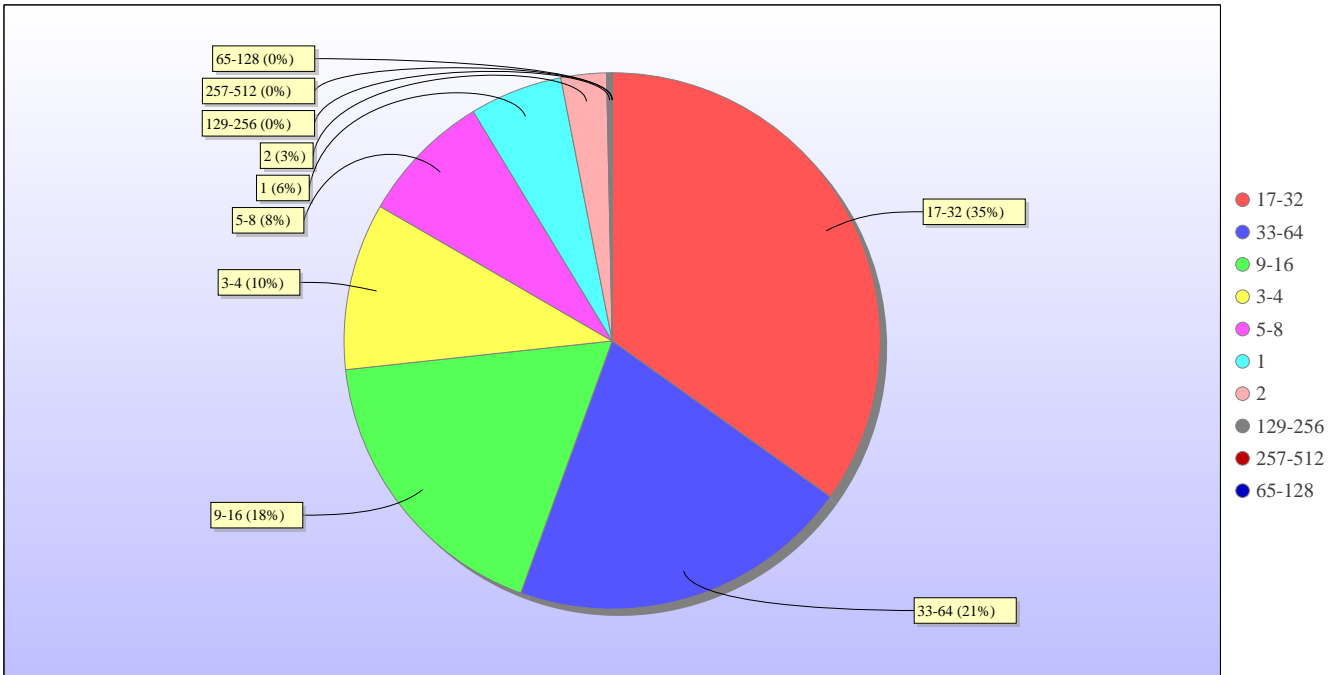
Jobs by Size



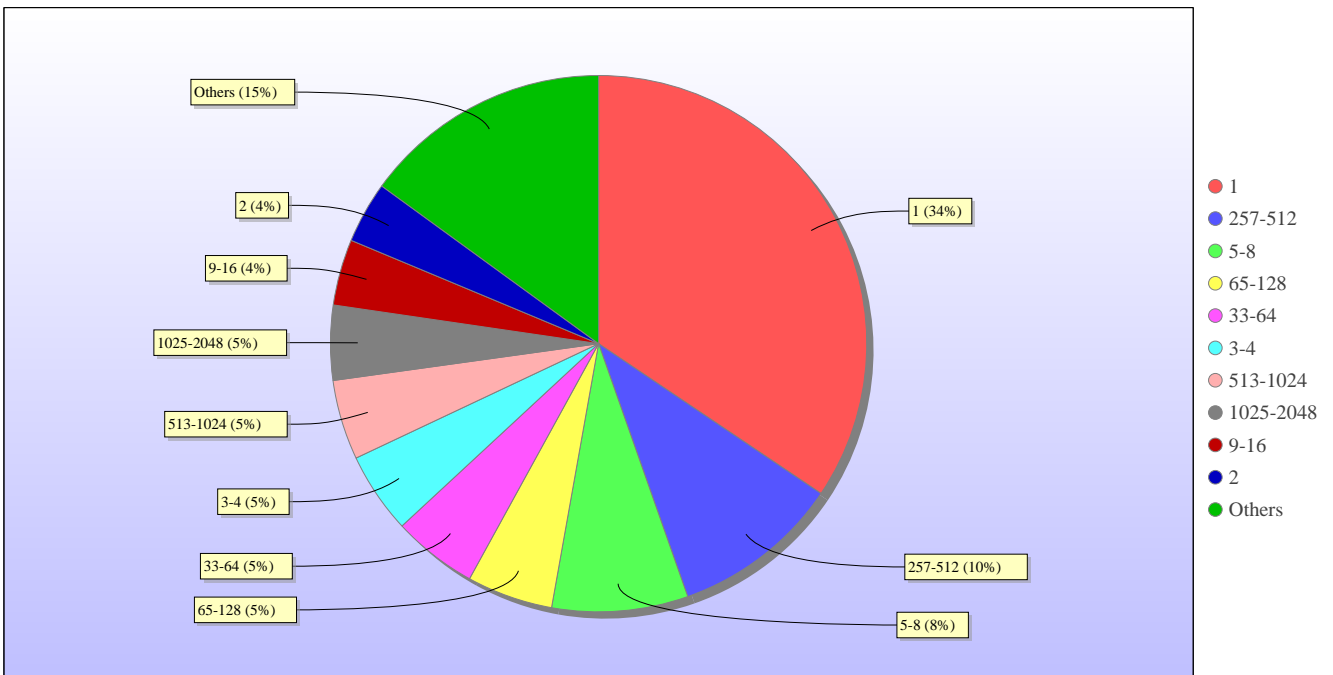
kAUs used by Size



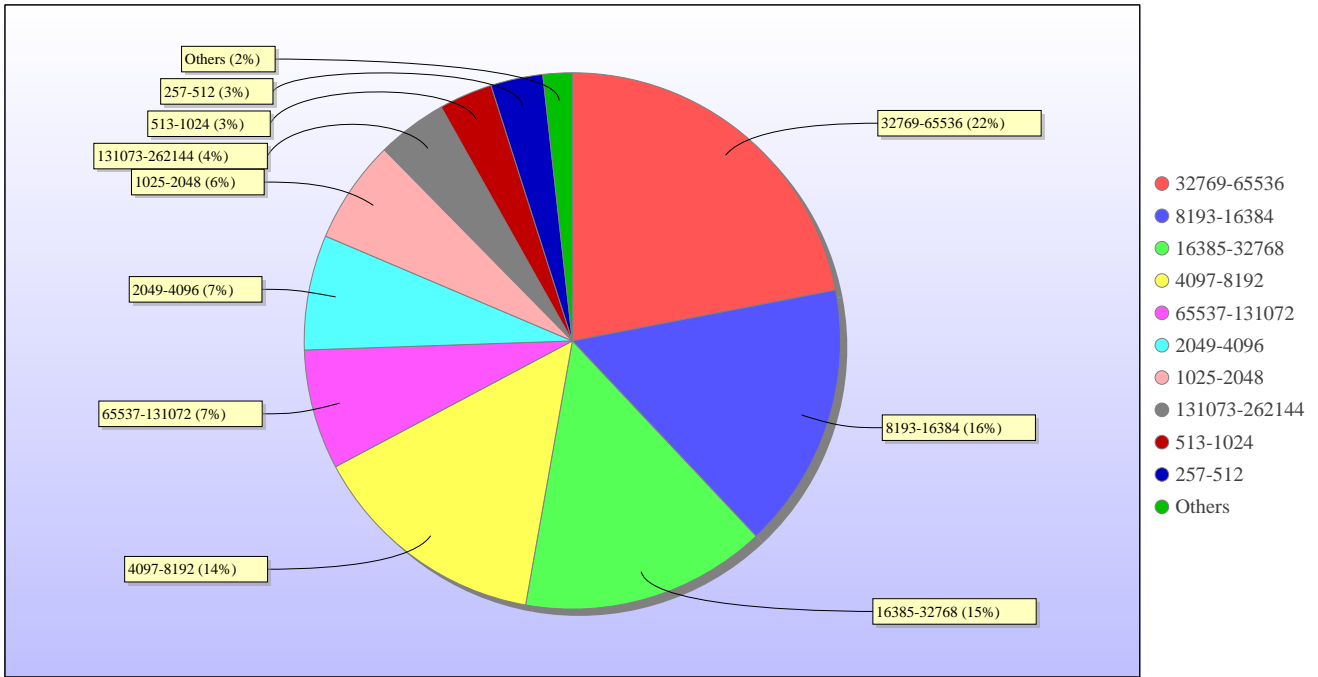
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

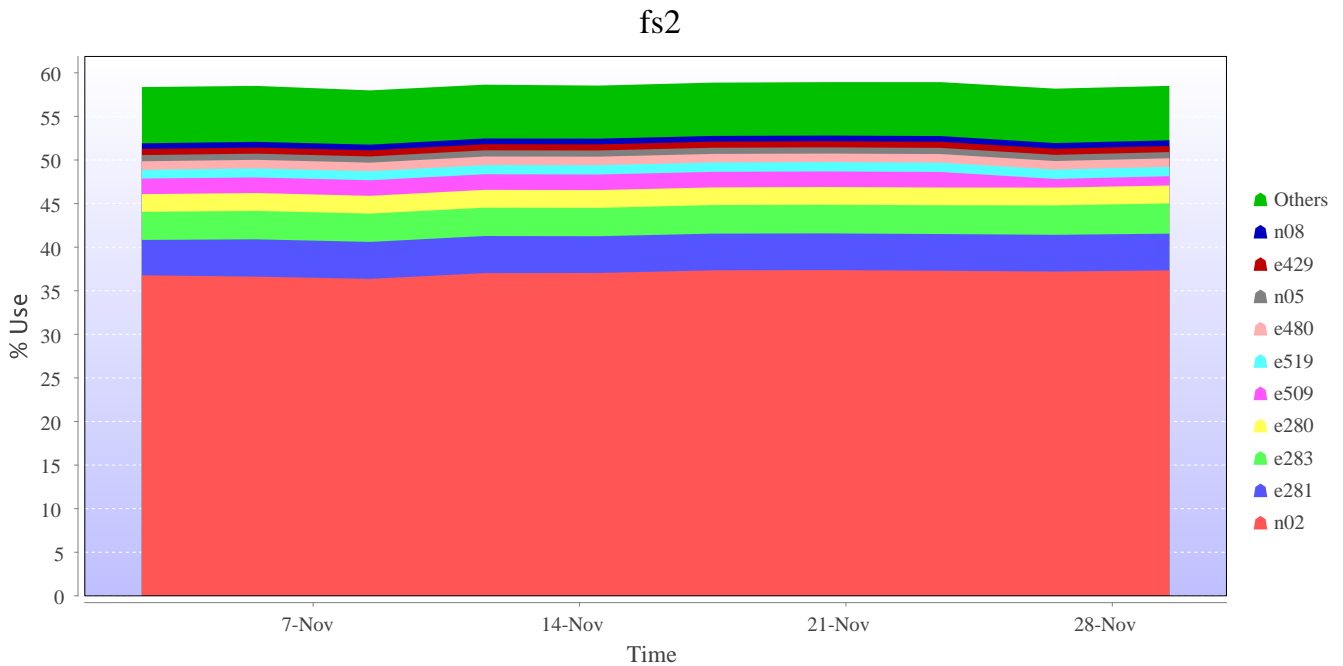


kAUs used grouped by core-hours

Disk usage

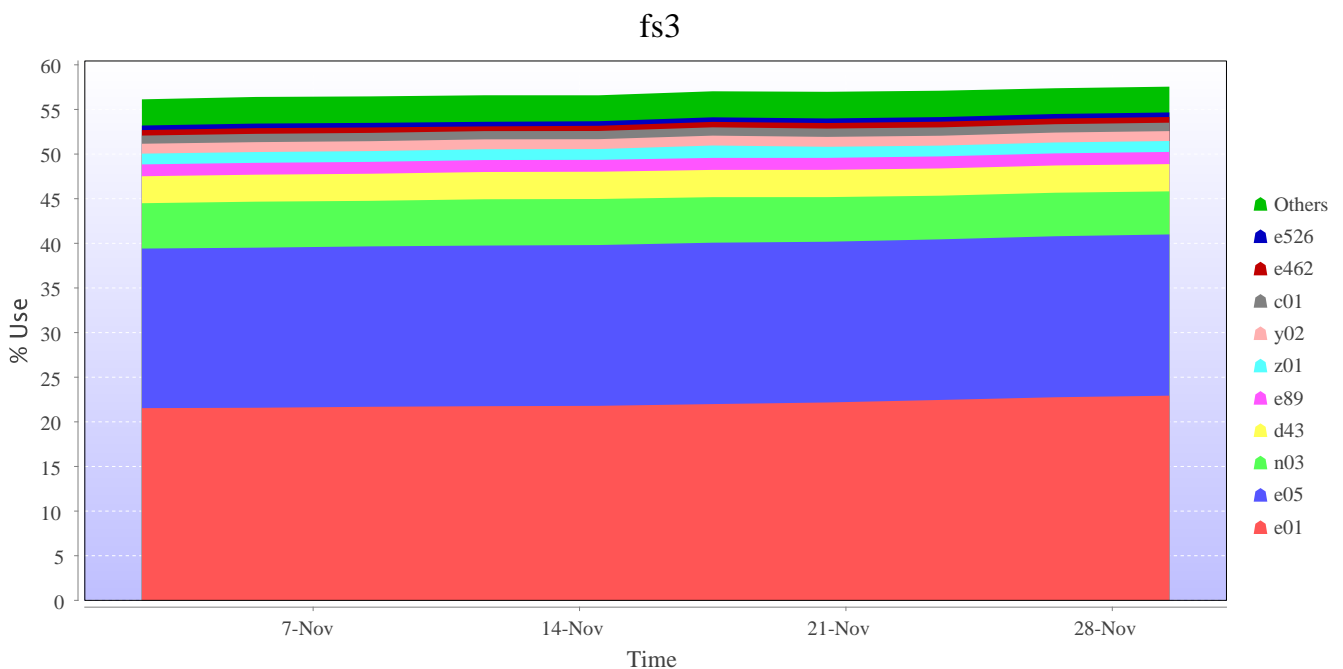
Disk usage for work (fs2)

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.



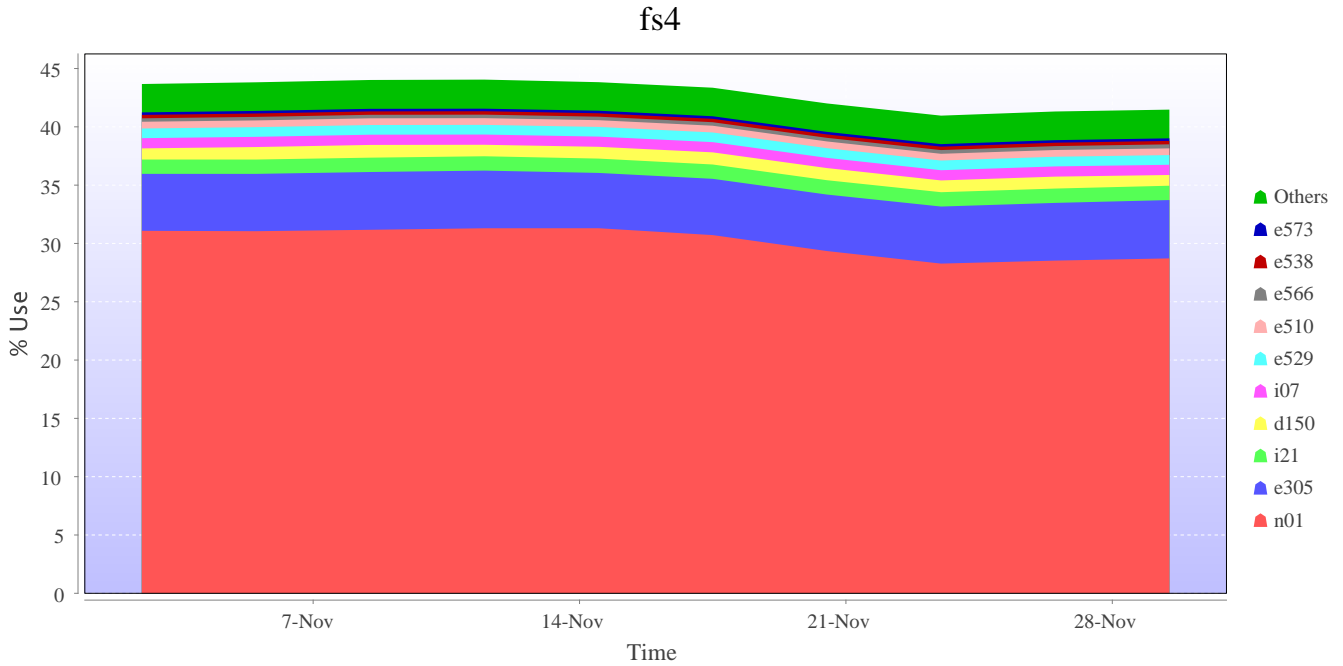
Disk usage for work (fs3)

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.



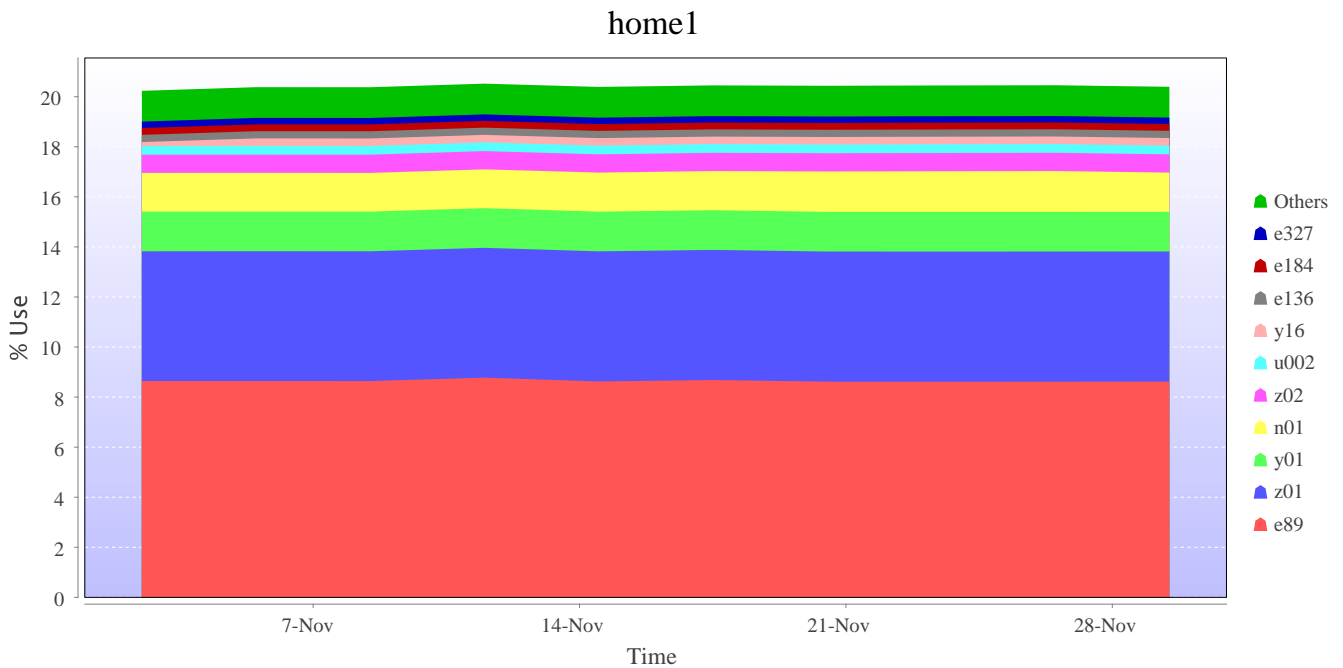
Disk usage for work (fs4)

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.



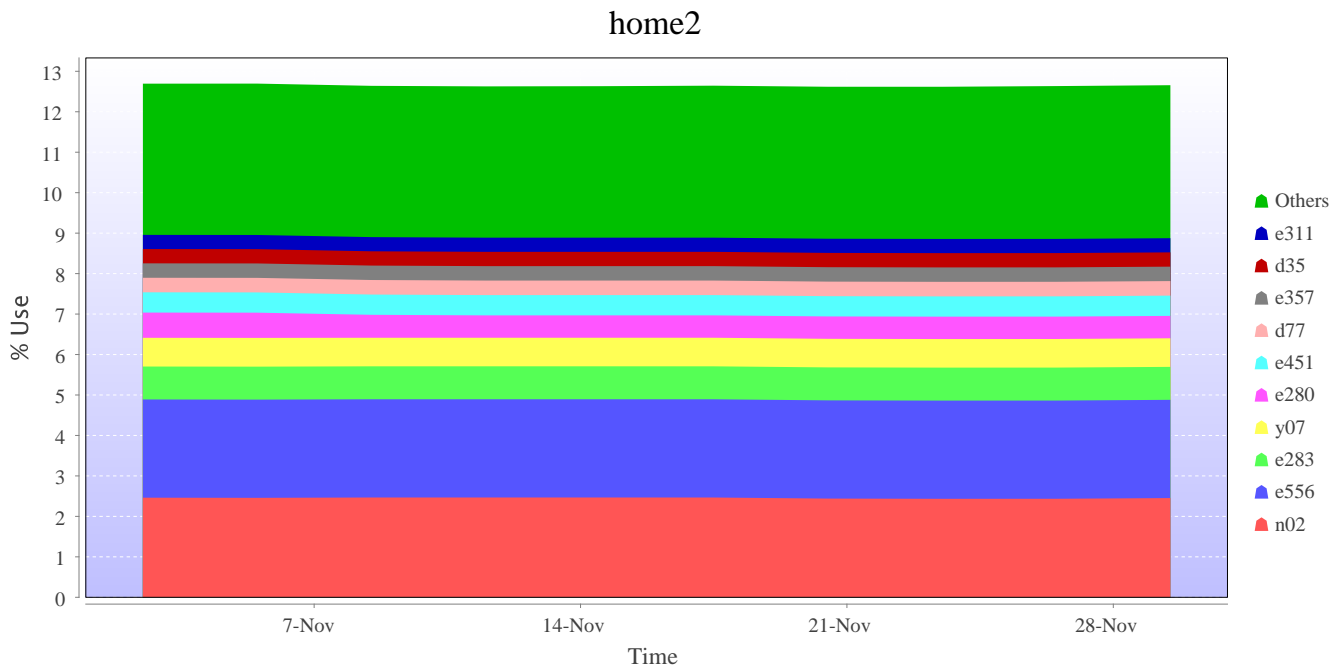
Disk usage for home (home1)

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.



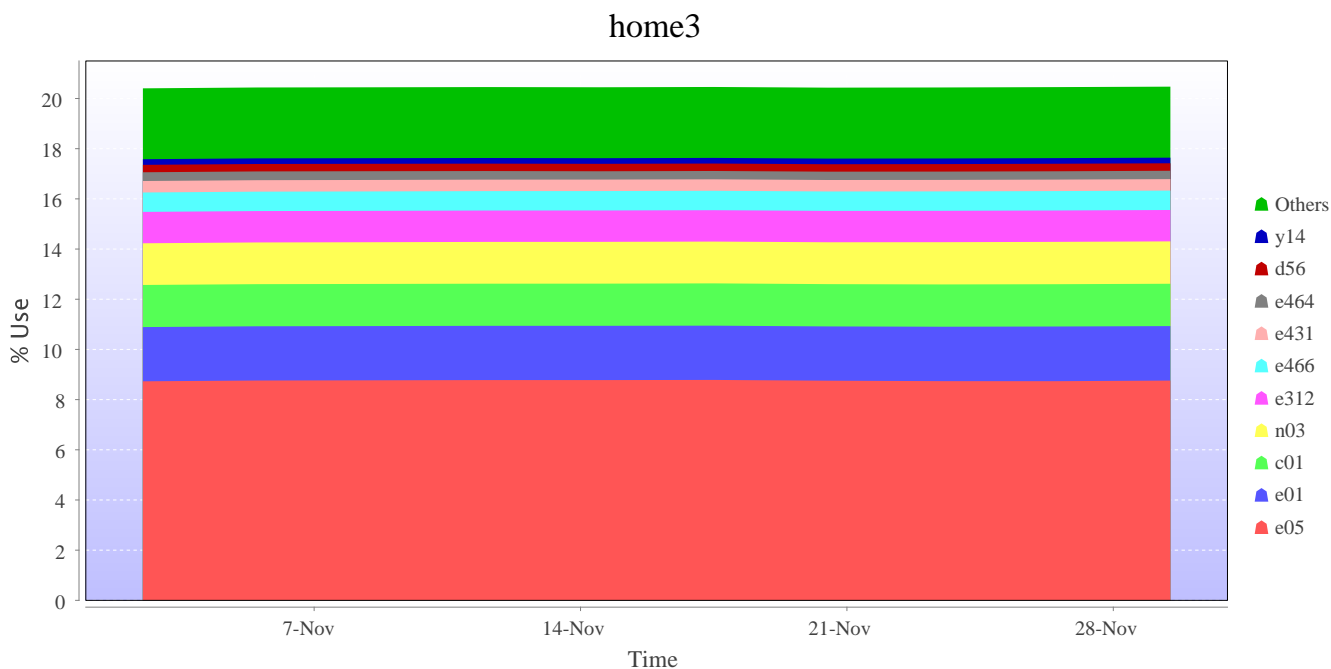
Disk usage for home (home2)

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.

