

Monthly Reporting

Report from 01 April 2018 to 30 April 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.

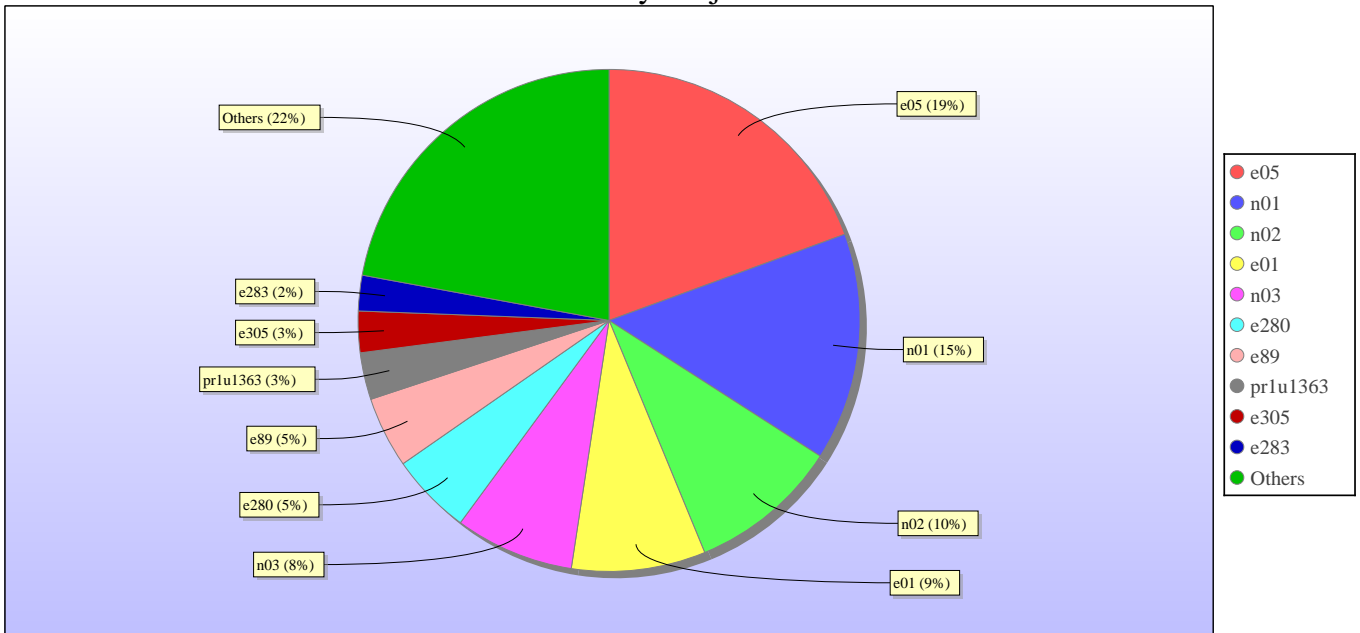
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,806	82,665.1	6.48%	84,179.1	6.60%	70,373.6	5.52%
e05	Consortia	10,705	173,880.6	13.63%	189,364.2	14.85%	214,927.9	16.85%
e89	Consortia	5,511	43,972.7	3.45%	44,689.7	3.50%	92,372.9	7.24%
e280	Consortia	1,584	51,116.3	4.01%	51,117.5	4.01%	38,843.8	3.05%
e281	Consortia	311	8,839.7	0.69%	8,842.6	0.69%	20,809.3	1.63%
e283	Consortia	1,022	22,324.1	1.75%	22,324.1	1.75%	16,634.3	1.30%
e305	Consortia	1,089	25,986.7	2.04%	25,989.6	2.04%	21,507.0	1.69%
e529	Consortia	63	3,553.5	0.28%	3,556.7	0.28%	4,952.1	0.39%
e585	Consortia	33	188.9	0.01%	188.9	0.01%	16,393.4	1.29%
e462	Leadership Awards	315	5,572.1	0.44%	5,608.8	0.44%	6,716.7	0.53%
e464	Leadership Awards	670	11,790.7	0.92%	11,790.7	0.92%	4,923.6	0.39%
e507	Leadership Awards	19	121.6	0.01%	121.6	0.01%	11,579.4	0.91%
e509	Leadership Awards	0	0.0	0.00%	0.0	0.00%	2,417.6	0.19%
e510	Leadership Awards	7	830.7	0.07%	830.7	0.07%	8,284.6	0.65%
e526	Leadership Awards	23	607.4	0.05%	607.4	0.05%	8,289.2	0.65%
e572	Leadership Awards	0	0.0	0.00%	0.0	0.00%	1,648.7	0.13%
c01	Class1a	409	812.3	0.06%	812.3	0.06%	6,266.5	0.49%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	159.6	0.01%
e304	Class1a	54	3,919.3	0.31%	3,919.3	0.31%	4,262.6	0.33%
e341	Class1a	0	0.0	0.00%	0.0	0.00%	4,144.6	0.32%
e365	Class1a	41	13,926.4	1.09%	13,926.4	1.09%	4,700.9	0.37%
e375	Class1a	38	1,767.3	0.14%	1,767.3	0.14%	1,370.6	0.11%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,344.3	0.65%
e429	Class1a	11	264.5	0.02%	264.5	0.02%	1,019.4	0.08%
e431	Class1a	80	37.7	0.00%	37.7	0.00%	918.4	0.07%
e432	Class1a	218	11,519.8	0.90%	11,519.8	0.90%	3,484.1	0.27%
e448	Class1a	30	1,583.7	0.12%	1,583.7	0.12%	30,668.7	2.40%
e480	Class1a	7	994.6	0.08%	994.6	0.08%	1,979.4	0.16%
e513	Class1a	48	213.5	0.02%	213.5	0.02%	128.9	0.01%
e514	Class1a	0	0.0	0.00%	0.0	0.00%	464.6	0.04%
e515	Class1a	244	643.4	0.05%	643.4	0.05%	2,786.2	0.22%
e516	Class1a	633	14,209.9	1.11%	14,209.9	1.11%	12,750.1	1.00%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	130.5	0.01%
e518	Class1a	30	1,360.6	0.11%	1,360.6	0.11%	819.7	0.06%
e519	Class1a	11	2,004.0	0.16%	2,004.0	0.16%	16,393.4	1.29%
e520	Class1a	14	282.7	0.02%	282.7	0.02%	4,179.1	0.33%
e523	Class1a	50	3,424.9	0.27%	3,425.0	0.27%	6,631.4	0.52%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e527	Class1a	0	0.0	0.00%	0.0	0.00%	1,823.6	0.14%
e530	Class1a	12	823.3	0.06%	823.3	0.06%	983.6	0.08%
e537	Class1a	29	6,902.6	0.54%	6,902.6	0.54%	2,123.2	0.17%
e558	Class1a	83	30.4	0.00%	30.4	0.00%	731.7	0.06%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,893.7	0.15%
e570	Class1a	0	0.0	0.00%	0.0	0.00%	3,627.4	0.28%
e571	Class1a	0	0.0	0.00%	0.0	0.00%	82.4	0.01%
e575	Class1a	0	0.0	0.00%	0.0	0.00%	1,281.2	0.10%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	2,430.0	0.19%
e584	Class1a	73	379.9	0.03%	379.9	0.03%	1,326.2	0.10%
e588	Class1a	3	0.1	0.00%	0.1	0.00%	49.2	0.00%
e554	Class1b	0	0.0	0.00%	0.0	0.00%	165.8	0.01%
e348	Direct Access: ARCHER RAP	143	208.7	0.02%	208.7	0.02%	2,707.3	0.21%
e484	Direct Access: ARCHER RAP	1	182.2	0.01%	182.2	0.01%	1,496.7	0.12%
e541	Direct Access: ARCHER RAP	46	5,077.6	0.40%	5,077.6	0.40%	2,627.5	0.21%
e542	Direct Access: ARCHER RAP	96	2,792.4	0.22%	2,792.4	0.22%	1,590.7	0.12%
e543	Direct Access: ARCHER RAP	102	4,197.1	0.33%	4,197.1	0.33%	2,073.6	0.16%
e545	Direct Access: ARCHER RAP	1	69.2	0.01%	69.2	0.01%	796.8	0.06%
e546	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,435.0	0.19%
e547	Direct Access: ARCHER RAP	7	5.5	0.00%	5.5	0.00%	3,672.4	0.29%
e548	Direct Access: ARCHER RAP	373	3,440.3	0.27%	3,440.3	0.27%	2,272.4	0.18%
e549	Direct Access: ARCHER RAP	199	2,631.6	0.21%	2,631.6	0.21%	1,610.6	0.13%
e550	Direct Access: ARCHER RAP	1,883	5,534.4	0.43%	5,534.4	0.43%	2,465.8	0.19%
e552	Direct Access: ARCHER RAP	2	555.8	0.04%	555.8	0.04%	1,468.0	0.12%
e553	Direct Access: ARCHER RAP	61	2,677.9	0.21%	2,677.9	0.21%	3,002.8	0.24%
e564	Direct Access: ARCHER RAP	27	2,687.5	0.21%	2,687.5	0.21%	4,444.5	0.35%
e565	Direct Access: ARCHER RAP	730	9,735.0	0.76%	9,735.0	0.76%	4,973.5	0.39%
e566	Direct Access: ARCHER RAP	76	8,673.8	0.68%	8,673.8	0.68%	6,649.1	0.52%
e567	Direct Access: ARCHER RAP	22	4,471.0	0.35%	4,471.0	0.35%	4,958.6	0.39%
e555	Instant Access	0	0.0	0.00%	0.0	0.00%	138.8	0.01%
e560	Instant Access	0	0.0	0.00%	0.0	0.00%	52.7	0.00%
e561	Instant Access	0	0.0	0.00%	0.0	0.00%	177.6	0.01%
e562	Instant Access	0	0.0	0.00%	0.0	0.00%	198.9	0.02%
e563	Instant Access	0	0.0	0.00%	0.0	0.00%	200.6	0.02%
e574	Instant Access	0	0.0	0.00%	0.0	0.00%	198.9	0.02%
e576	Instant Access	0	0.0	0.00%	0.0	0.00%	198.1	0.02%
e577	Instant Access	0	0.0	0.00%	0.0	0.00%	32.8	0.00%
e578	Instant Access	0	0.0	0.00%	0.0	0.00%	198.9	0.02%
e581	Instant Access	0	0.0	0.00%	0.0	0.00%	200.6	0.02%
e582	Instant Access	167	970.2	0.08%	970.2	0.08%	195.7	0.02%
e583	Instant Access	0	0.0	0.00%	0.0	0.00%	194.7	0.02%
e521	Training	9	155.8	0.01%	155.8	0.01%	1,707.4	0.13%
e538	Training	23	211.7	0.02%	211.7	0.02%	2,803.3	0.22%
e556	Training	52	334.8	0.03%	334.8	0.03%	2,513.1	0.20%
e573	Training	599	2,494.3	0.20%	2,512.0	0.20%	1,855.8	0.15%
z17	Service	46	3,131.6	0.25%	3,131.6	0.25%	8,289.2	0.65%
EPSRC Total		29,941	556,789.2	43.66%	574,568.7	45.05%	737,197.8	57.81%

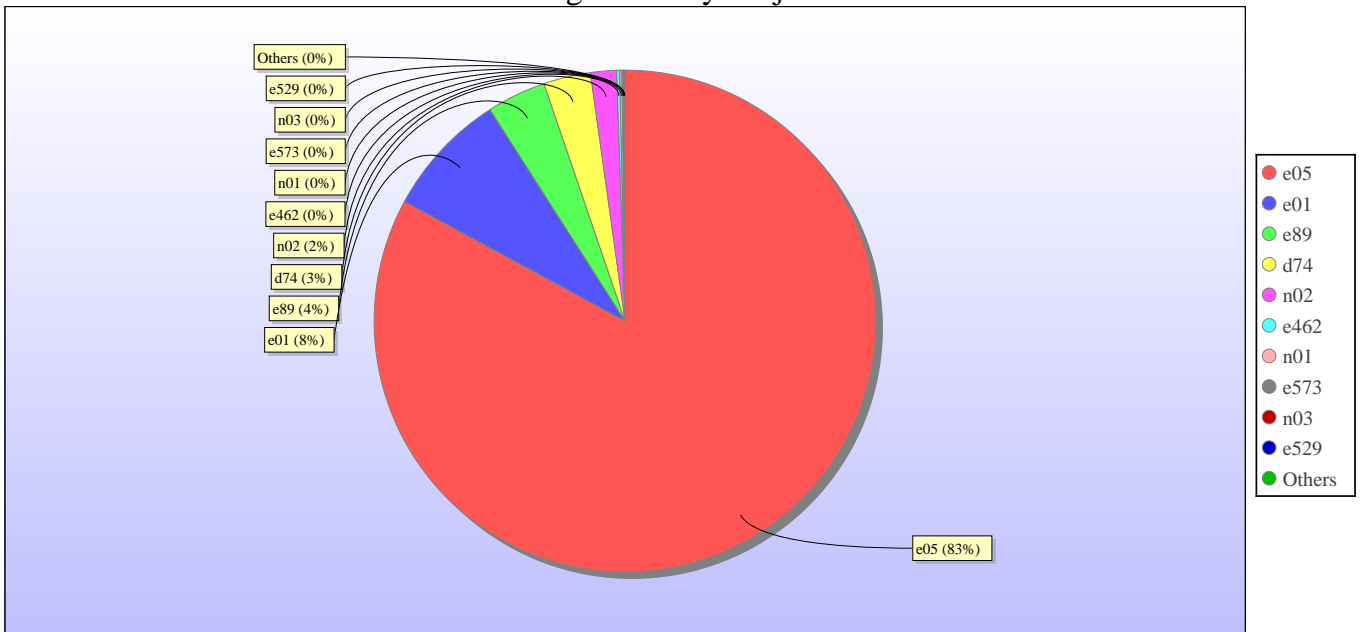
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
n01	Consortia	3,966	143,721.5	11.27%	143,023.1	11.22%	107,260.3	8.41%
n02	Consortia	21,420	94,434.5	7.41%	94,453.7	7.41%	115,068.5	9.02%
n03	Consortia	2,305	74,869.4	5.87%	74,874.1	5.87%	87,123.3	6.83%
NERC Total		27,691	313,025.4	24.55%	312,350.9	24.49%	309,452.1	24.27%
e568	Research	0	0.0	0.00%	0.0	0.00%	3,768.2	0.30%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	3,768.2	0.30%
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%
pr1u1363	DECI: EXEC	202	29,456.4	2.31%	29,456.4	2.31%	2,604.6	0.20%
pr1u1451	DECI: EXEC	16	896.5	0.07%	896.5	0.07%	5,471.1	0.43%
pr1u1452	DECI: EXEC	278	14,122.0	1.11%	14,122.0	1.11%	5,471.1	0.43%
pr1u1453	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	13,677.8	1.07%
pr1u1454	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	6,105.8	0.48%
pr1u1455	DECI: EXEC	81	691.3	0.05%	691.3	0.05%	942.0	0.07%
pr1u1456	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,441.1	0.35%
pr1u1457	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	242.4	0.02%
pr1utd01	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	189.1	0.01%
pr1utd02	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	182.4	0.01%
pr1u1364	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1401	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1402	DECI: HOME	0	0.0	0.00%	0.0	0.00%	829.6	0.07%
pr1u1403	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1404	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1405	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1406	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1407	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1408	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1409	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1410	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1411	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		577	45,166.1	3.54%	45,166.1	3.54%	40,256.7	3.16%
ecse0803	eCSE	12	39.9	0.00%	39.9	0.00%	39.0	0.00%
ecse0820	eCSE	146	5.7	0.00%	5.7	0.00%	41.3	0.00%
ecse0904	eCSE	59	259.4	0.02%	259.4	0.02%	41.2	0.00%
ecse0910	eCSE	109	818.5	0.06%	818.5	0.06%	74.6	0.01%
ecse0919	eCSE	0	0.0	0.00%	0.0	0.00%	35.2	0.00%
ecse1002	eCSE	14	39.1	0.00%	39.1	0.00%	202.6	0.02%
ecse1101	eCSE	0	0.0	0.00%	0.0	0.00%	272.8	0.02%
ecse1109	eCSE	0	0.0	0.00%	0.0	0.00%	39.7	0.00%
ecse1112	eCSE	22	0.4	0.00%	0.4	0.00%	50.4	0.00%
ecse1204	eCSE	0	0.0	0.00%	0.0	0.00%	21.4	0.00%
ecse1208	eCSE	0	0.0	0.00%	0.0	0.00%	54.6	0.00%
ecse1209	eCSE	72	52.1	0.00%	52.1	0.00%	32.4	0.00%
ecse1210	eCSE	0	0.0	0.00%	0.0	0.00%	718.1	0.06%
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%	38.2	0.00%
eCSE Total		434	1,215.2	0.10%	1,215.2	0.10%	1,678.3	0.13%
d43	ECDF	85	2,600.3	0.20%	2,601.0	0.20%	2,465.8	0.19%
d25	Research	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
d35	Research	210	151.7	0.01%	151.7	0.01%	411.0	0.03%
d56	Research	252	1,531.9	0.12%	1,531.9	0.12%	6,631.4	0.52%
d60	Research	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
d67	Research	128	1,892.2	0.15%	1,892.2	0.15%	164.4	0.01%
d71	Research	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
d87	Research	9	0.0	0.00%	0.3	0.00%	0.1	0.00%
d88	Research	1	0.1	0.00%	0.1	0.00%	13.0	0.00%
d100	Research	49	177.6	0.01%	177.6	0.01%	165.8	0.01%
d101	Research	142	2,015.5	0.16%	2,015.5	0.16%	493.2	0.04%
d107	Research	85	6.5	0.00%	6.5	0.00%	411.0	0.03%
d114	Research	335	9,553.9	0.75%	9,555.2	0.75%	8,735.3	0.68%
d118	Research	12	42.9	0.00%	42.9	0.00%	102.0	0.01%
d137	Research	273	4,217.7	0.33%	4,217.7	0.33%	2,465.8	0.19%
d142	Research	7	840.5	0.07%	840.5	0.07%	8,289.2	0.65%

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d143	Research	29	471.0	0.04%	471.1	0.04%	4,144.6	0.32%
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	84	5,751.7	0.45%	5,751.7	0.45%	7,957.6	0.62%
d155	Research	10,921	1,584.6	0.12%	1,584.6	0.12%	1,643.8	0.13%
d166	Research	177	4,126.2	0.32%	4,126.2	0.32%	1,964.7	0.15%
d421	Research	0	0.0	0.00%	0.0	0.00%	1,589.4	0.12%
d153	Industrial	337	294.0	0.02%	295.0	0.02%	1,212.3	0.10%
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%
e540	Industrial	0	0.0	0.00%	0.0	0.00%	1,704.9	0.13%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	76.7	0.01%
i18	Industrial	10	140.8	0.01%	140.8	0.01%	2,838.1	0.22%
i20	Industrial	0	0.0	0.00%	0.0	0.00%	99.0	0.01%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	32,934.8	2.58%
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%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	2.6	0.00%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	1,323.7	0.10%
d74	Training	1,494	1,094.6	0.09%	1,665.3	0.13%	164.4	0.01%
d104	Training	0	0.0	0.00%	0.0	0.00%	769.3	0.06%
d133	Training	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
d154	Training	1,050	268.3	0.02%	268.3	0.02%	245.2	0.02%
d131	Service	142	126.7	0.01%	126.7	0.01%	882.5	0.07%
d134	Service	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	8.2	0.00%
y02	Service	6	0.9	0.00%	0.9	0.00%	82.2	0.01%
y07	Service	40	1.9	0.00%	3.9	0.00%	8.2	0.00%
z02	Service	0	0.0	0.00%	0.0	0.00%	41.1	0.00%
z99	Service	22	0.9	0.00%	0.9	0.00%	8.2	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
e579	UoE Supercomputing	0	0.0	0.00%	0.0	0.00%	92.5	0.01%
DirectorsTime Total		15,900	36,892.3	2.89%	37,468.4	2.94%	92,098.9	7.22%
y14	Training	5,956	918.8	0.07%	659.6	0.05%	575.3	0.05%
y21	Service	0	0.0	0.00%	0.0	0.00%	411.0	0.03%
z19	Service	455	3,601.3	0.28%	3,601.5	0.28%	1,643.8	0.13%
CSE Total		6,411	4,520.1	0.35%	4,261.1	0.33%	2,630.1	0.21%
Total		80,954	957,608.4	75.09%	975,030.4	76.46%	1,187,082.1	93.09%

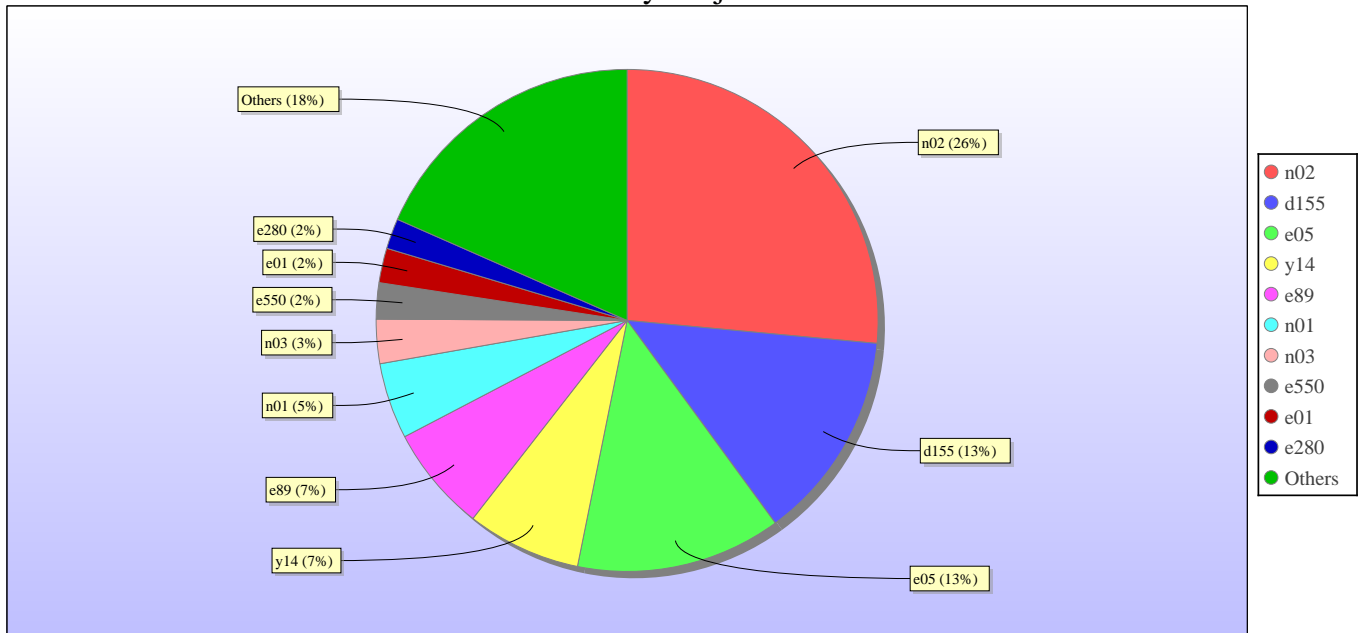
Use by Project



Uncharged Use by Project



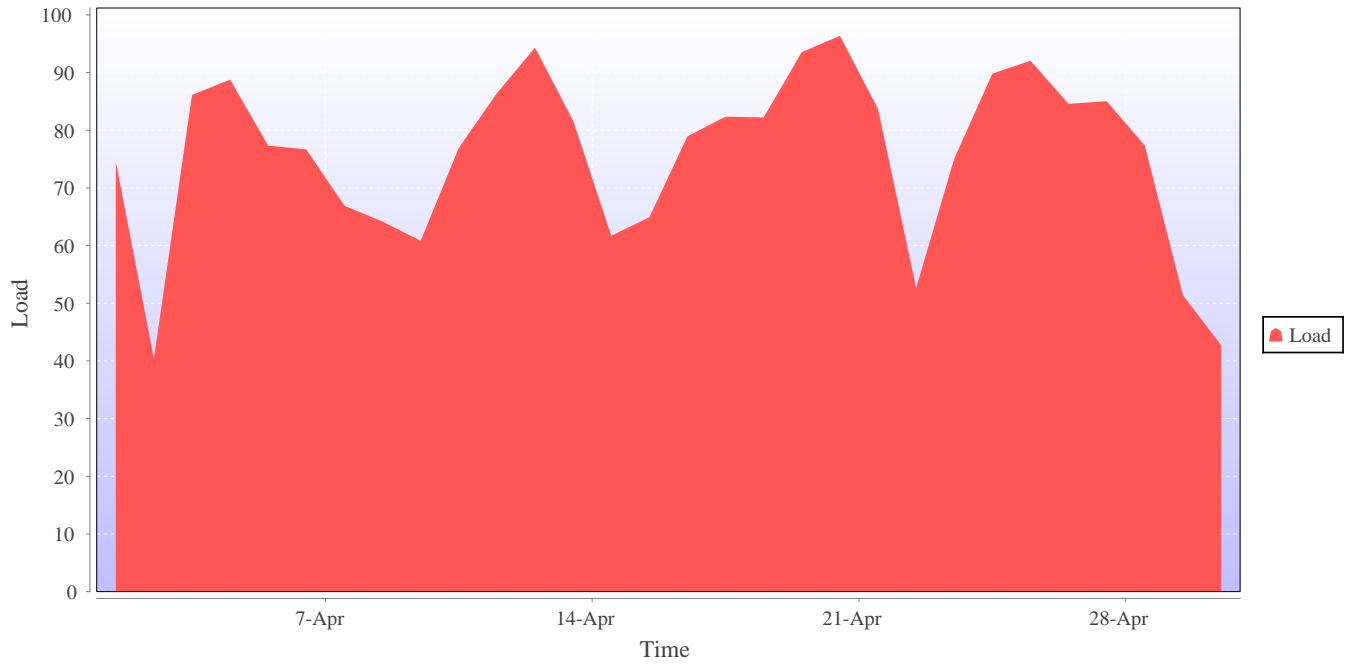
Jobs by Project



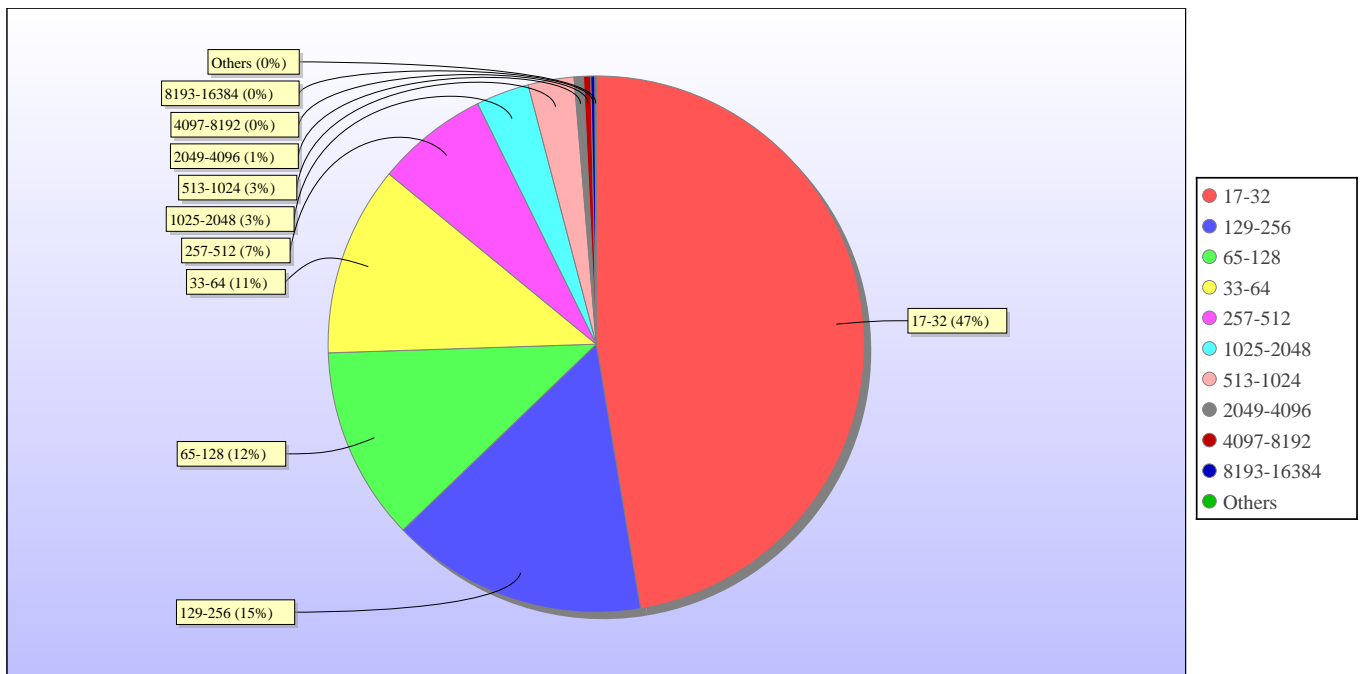
kAUs (by Size)

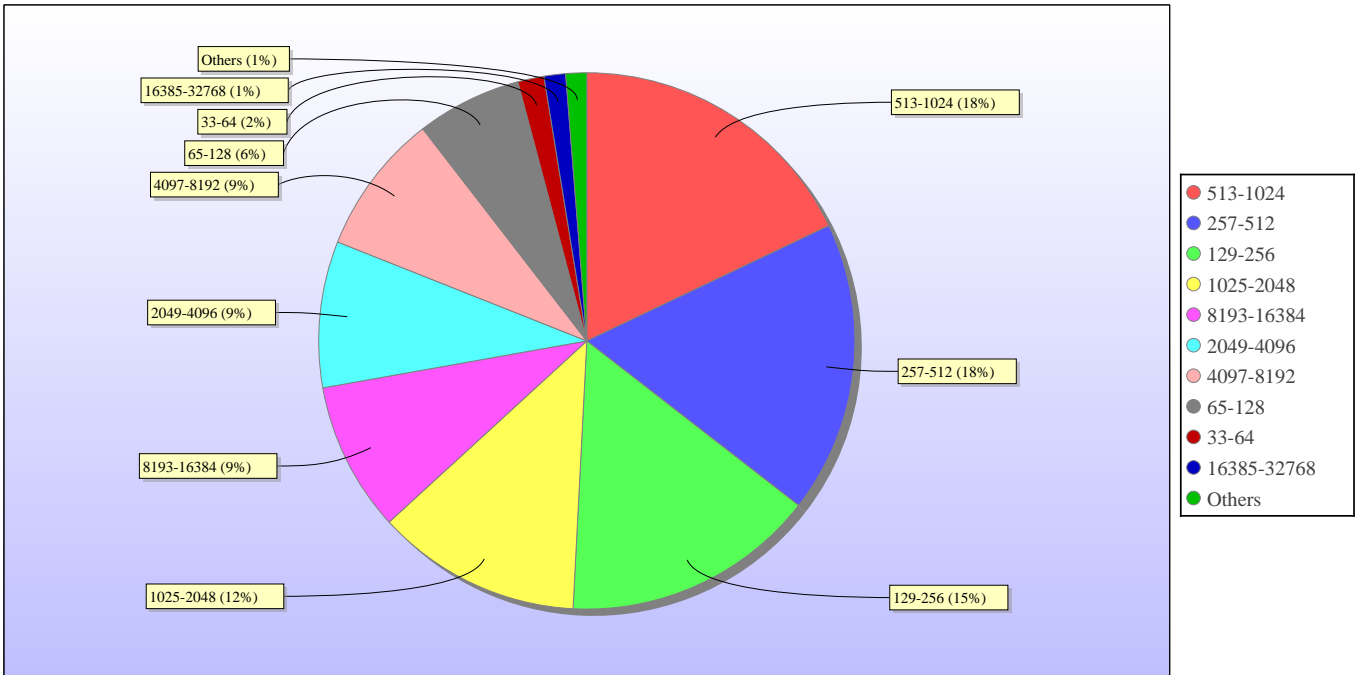
Size	kAUs	Number of Jobs
17-32	8,592.936	38,329
33-64	15,354.386	9,277
65-128	61,570.762	9,444
129-256	148,046.471	12,512
257-512	170,372.729	5,472
513-1024	172,779.439	2,239
1025-2048	118,576.686	2,592
2049-4096	85,704.984	459
4097-8192	74,483.283	351
8193-16384	81,767.596	197
16385-32768	12,625.493	42
32769-65536	3,505.776	24

Load plots

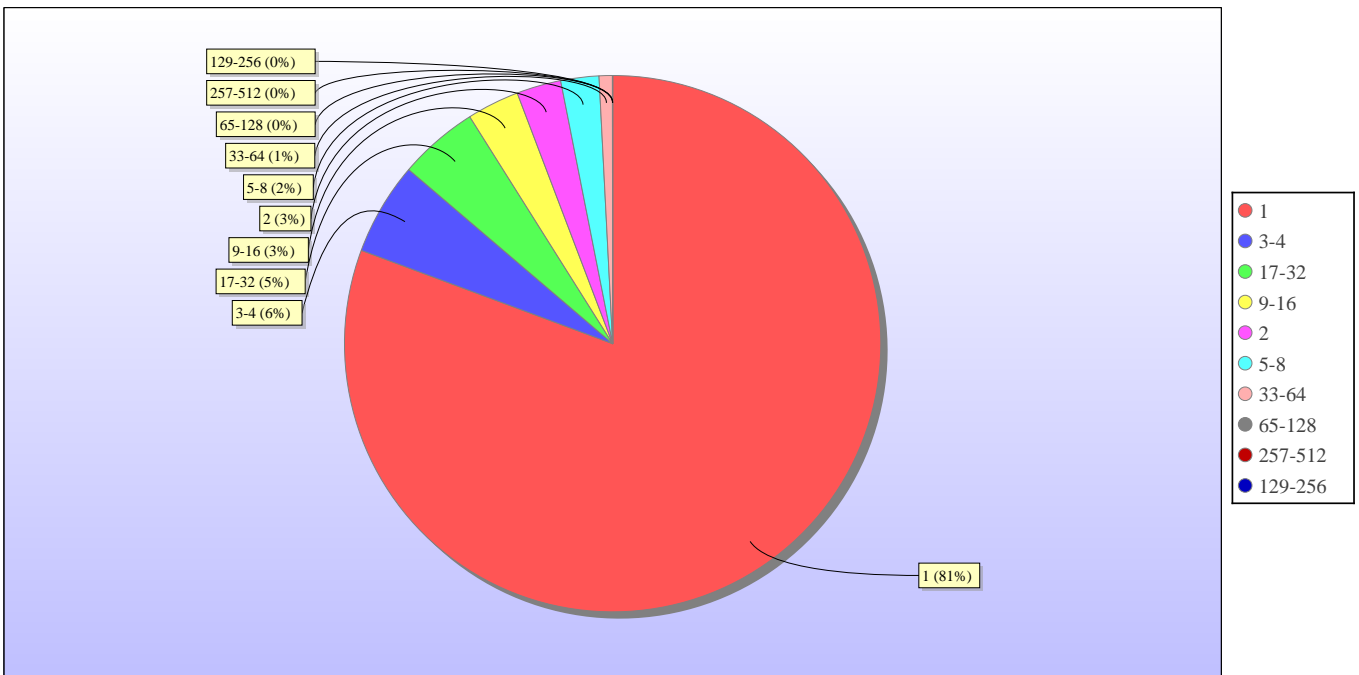


Percentage load on machine

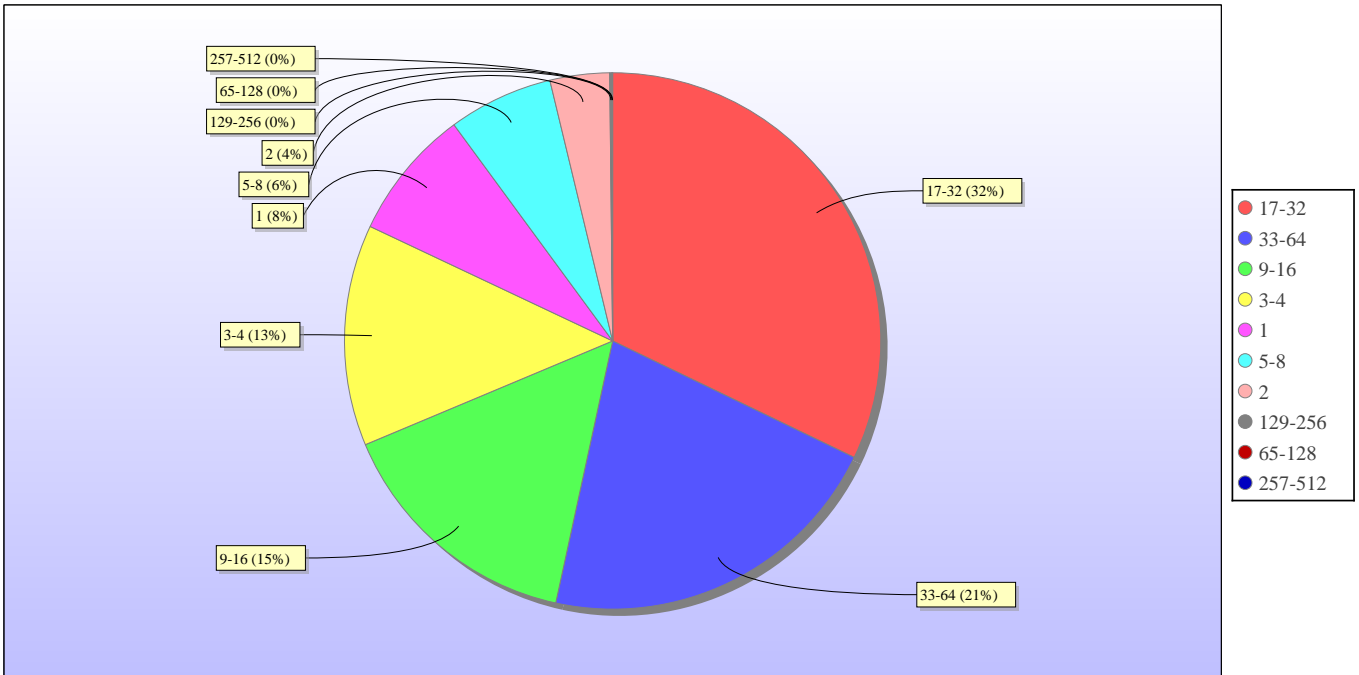




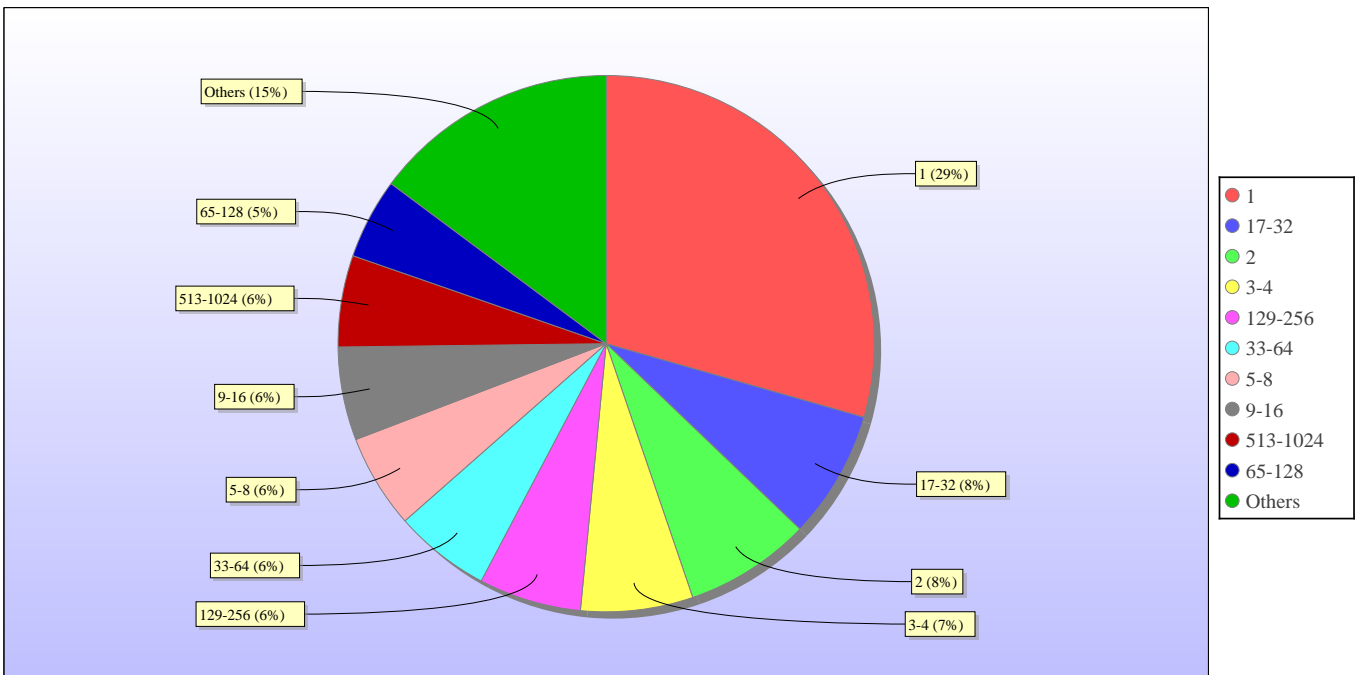
kAUs used by Size



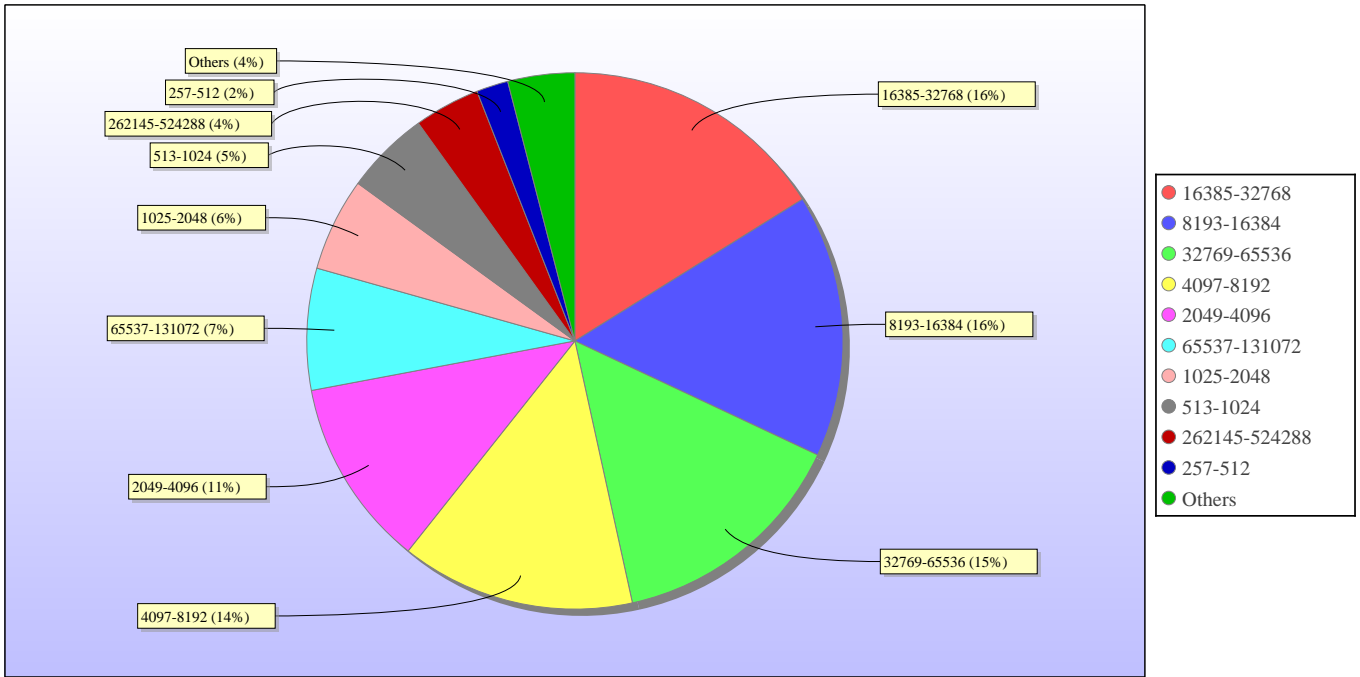
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

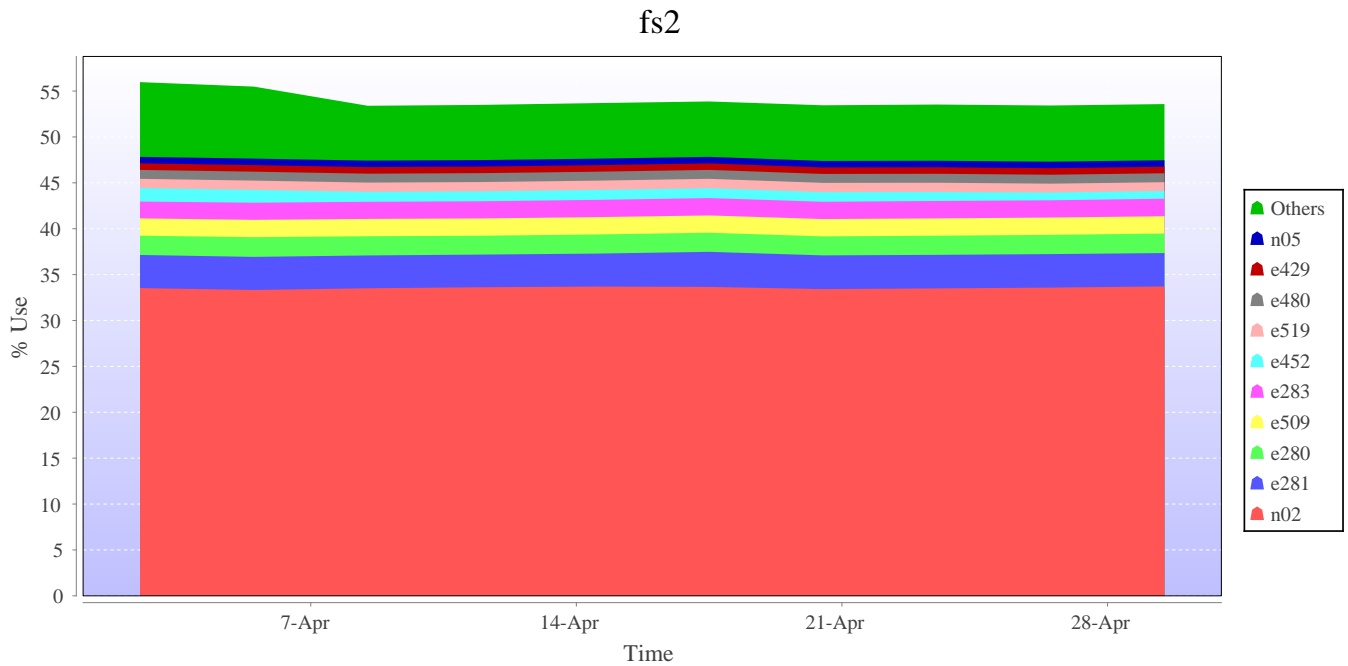


kAUs used grouped by core-hours

Disk usage

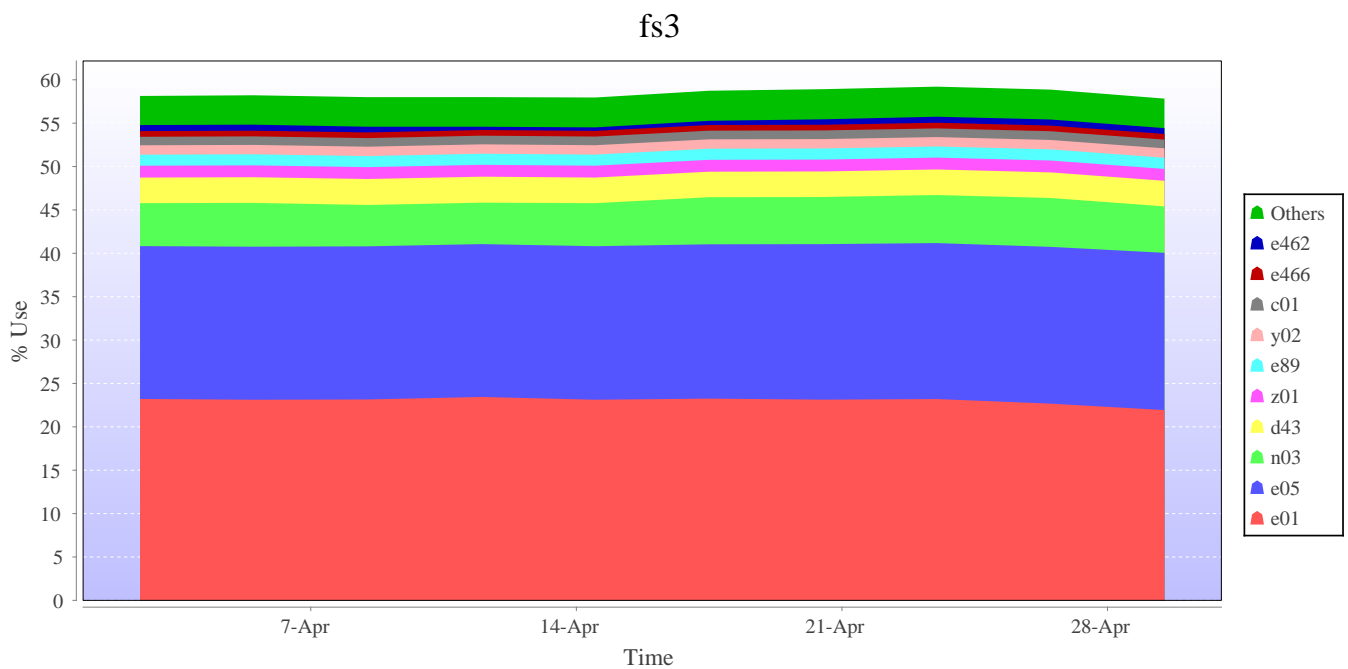
Disk usage for work (fs2)

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.



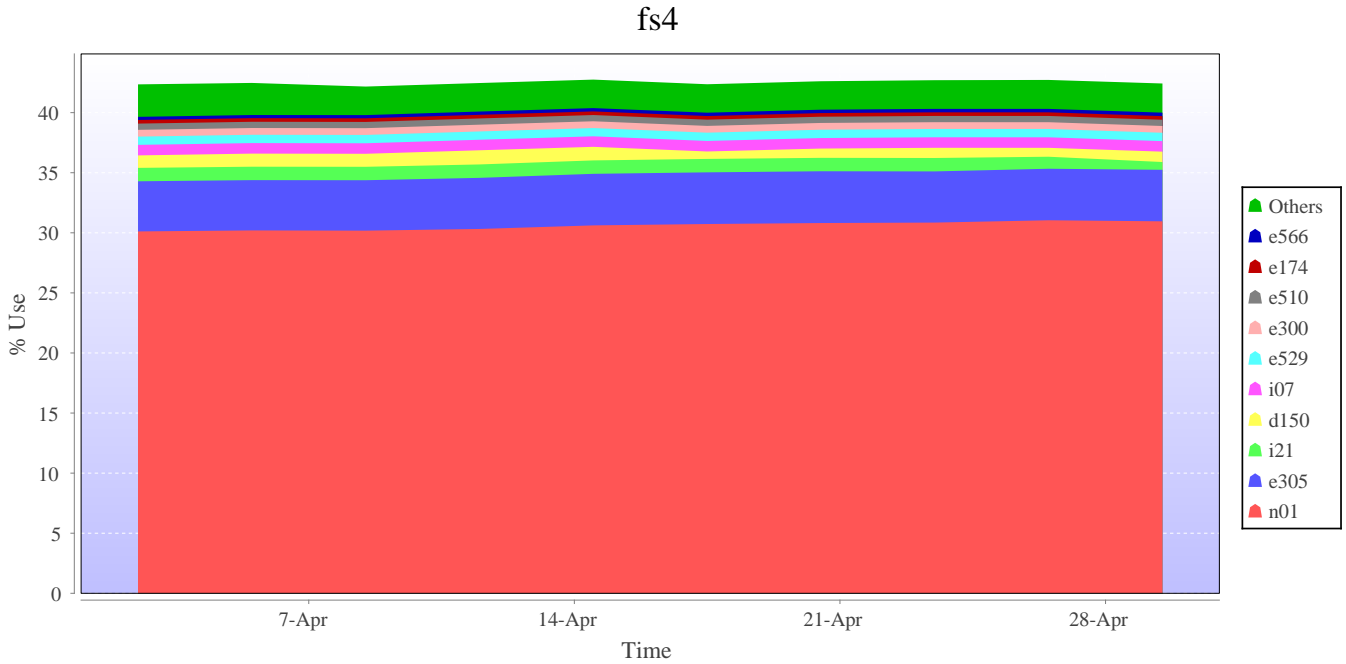
Disk usage for work (fs3)

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.



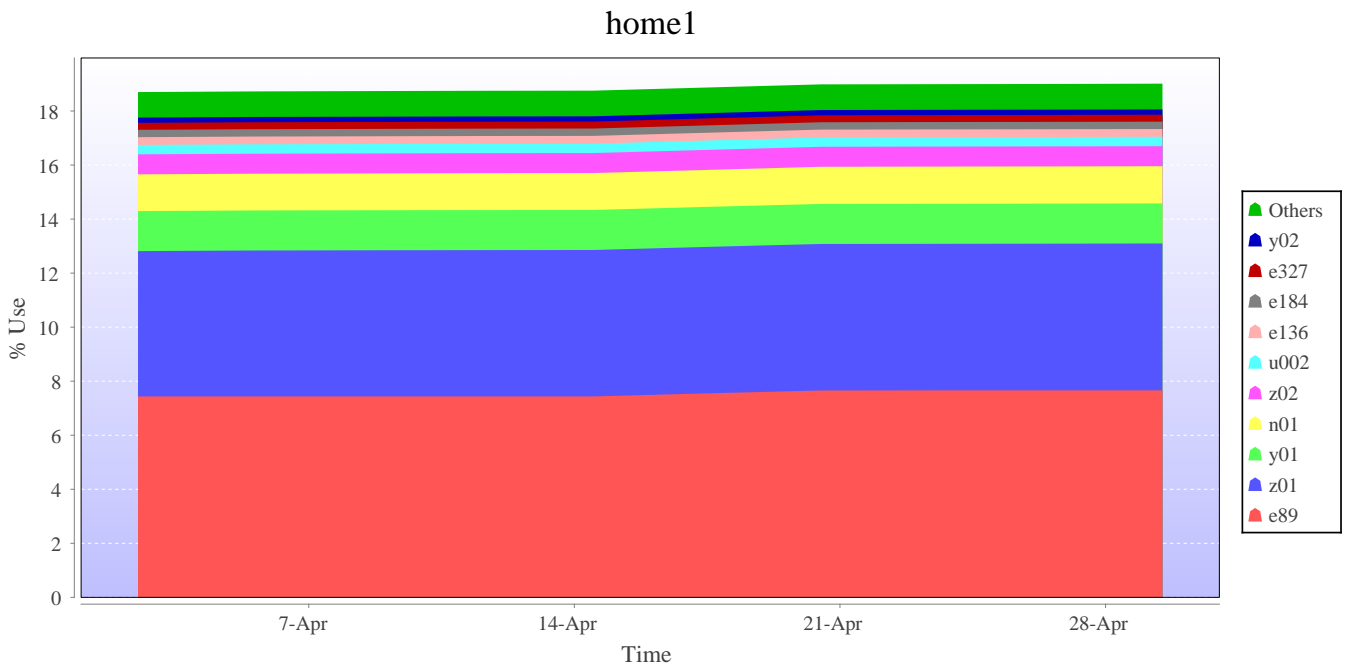
Disk usage for work (fs4)

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.



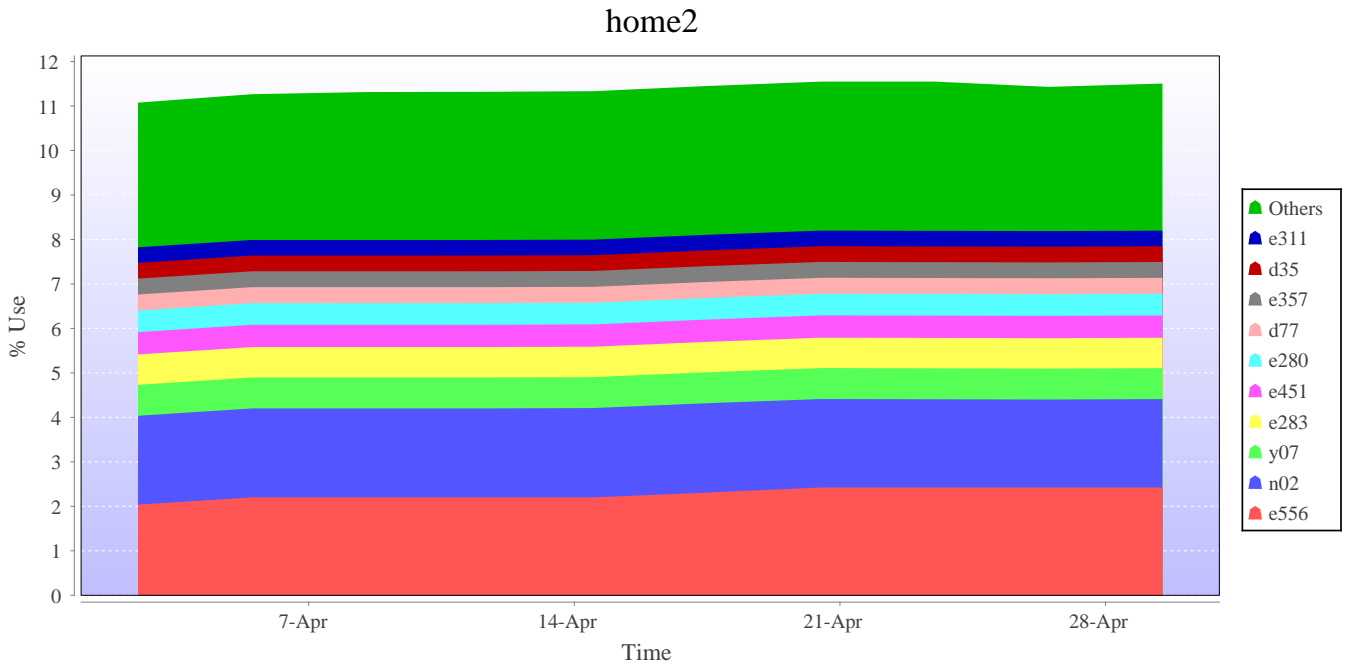
Disk usage for home (home1)

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.



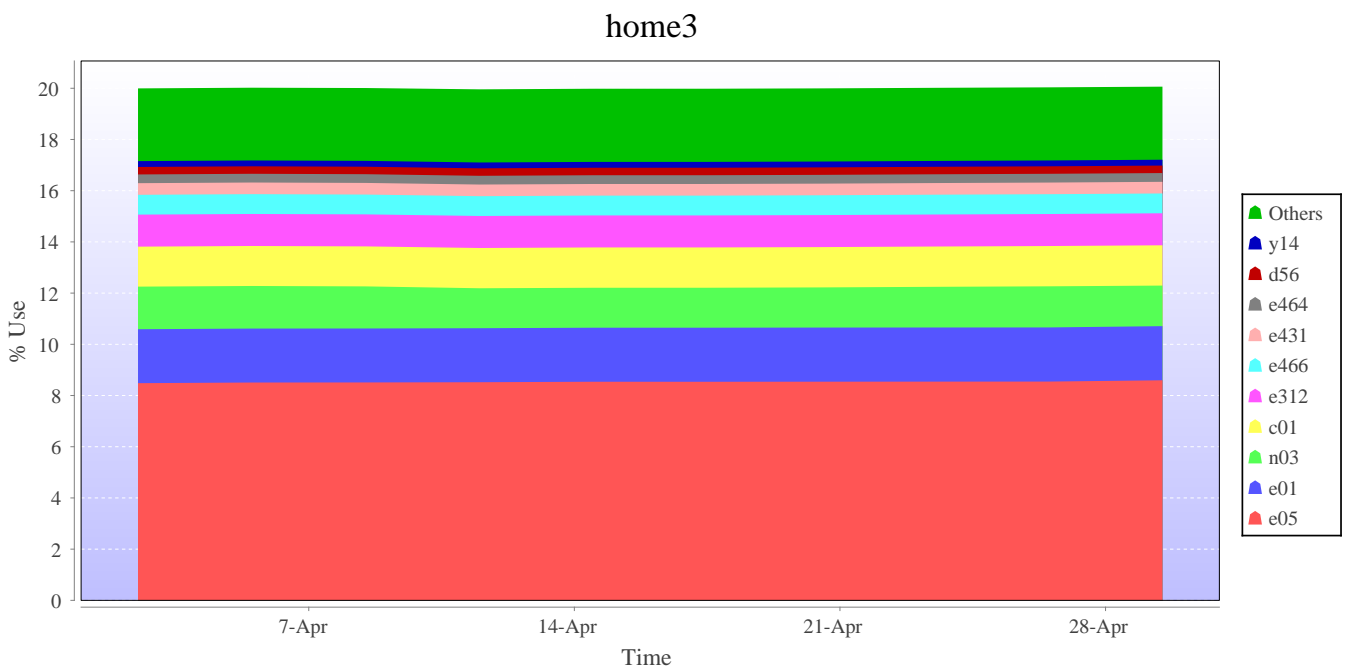
Disk usage for home (home2)

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.

