

Monthly Reporting

Report from 01 August 2024 to 31 August 2024

Report for Resource Pool Archer2 on archer2

A total of 4,350,912 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.

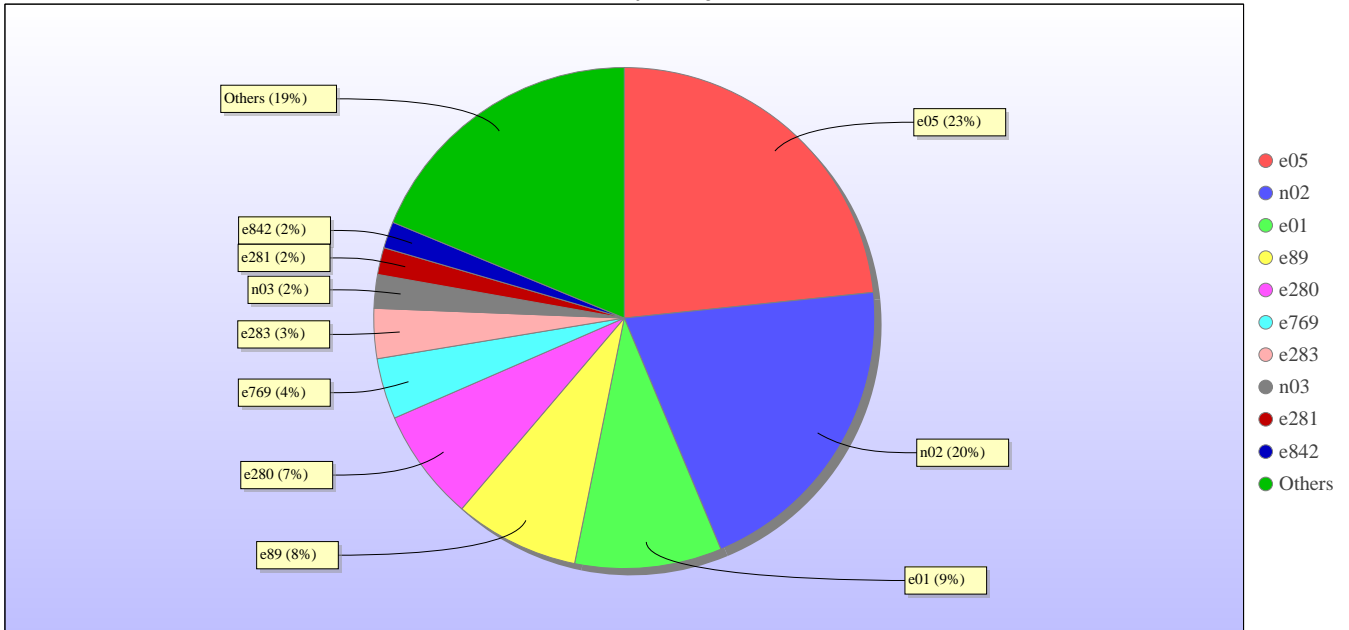
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e645	Leadership Awards	27	262.4	0.01%	262.4	0.01%	21,608.9	0.50%
e760	Leadership Awards	102	125.7	0.00%	125.7	0.00%	663.9	0.02%
e786	Leadership Awards	28	464.1	0.01%	464.1	0.01%	9,605.4	0.22%
e787	Leadership Awards	109	61,143.1	1.41%	62,476.9	1.44%	42,123.0	0.97%
e861	Leadership Awards	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e862	Leadership Awards	0	0.0	0.00%	0.0	0.00%	808.5	0.02%
e686	Pioneer Projects	3	0.0	0.00%	365.8	0.01%	2,265.8	0.05%
e731	Pioneer Projects	159	7,351.9	0.17%	7,351.9	0.17%	25,266.0	0.58%
e744	Pioneer Projects	447	29,095.1	0.67%	29,100.4	0.67%	19,323.5	0.44%
e808	Pioneer Projects	476	3,155.8	0.07%	21,076.7	0.48%	7,123.2	0.16%
e809	Pioneer Projects	54	7,181.5	0.17%	7,181.5	0.17%	26,950.4	0.62%
e810	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	37,899.0	0.87%
e812	Pioneer Projects	124	20,470.3	0.47%	20,470.7	0.47%	14,755.4	0.34%
e813	Pioneer Projects	210	3,388.0	0.08%	3,388.0	0.08%	23,918.5	0.55%
e814	Pioneer Projects	1	0.0	0.00%	3,286.4	0.08%	41,341.9	0.95%
e815	Pioneer Projects	16	4,948.5	0.11%	4,948.5	0.11%	22,234.1	0.51%
e817	Pioneer Projects	174	42,805.9	0.98%	45,742.3	1.05%	77,111.9	1.77%
c01	Class1a	538	3,066.5	0.07%	3,066.5	0.07%	24,757.5	0.57%
e348	Class1a	6,394	16,393.3	0.38%	16,485.4	0.38%	42,548.0	0.98%
e609	Class1a	520	12,689.5	0.29%	12,700.0	0.29%	14,092.1	0.32%
e643	Class1a	520	5,625.0	0.13%	5,625.0	0.13%	20,212.8	0.46%
e647	Class1a	148	900.5	0.02%	906.6	0.02%	14,786.1	0.34%
e705	Class1a	11	15,683.8	0.36%	15,683.8	0.36%	3,717.8	0.09%
e707	Class1a	42	174.7	0.00%	174.7	0.00%	11,113.7	0.26%
e710	Class1a	46	523.4	0.01%	523.4	0.01%	3,620.8	0.08%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e712	Class1a	12	5,951.6	0.14%	5,951.6	0.14%	16,844.0	0.39%
e720	Class1a	1,400	31,066.3	0.71%	31,119.7	0.72%	36,383.1	0.84%
e721	Class1a	129	426.4	0.01%	431.6	0.01%	2,245.3	0.05%
e728	Class1a	124	1,849.1	0.04%	1,849.1	0.04%	1,957.1	0.04%
e751	Class1a	23	979.1	0.02%	979.1	0.02%	7,579.8	0.17%
e752	Class1a	156	985.8	0.02%	1,427.1	0.03%	3,537.2	0.08%
e758	Class1a	0	0.0	0.00%	0.0	0.00%	4,656.3	0.11%
e763	Class1a	29	644.7	0.01%	644.7	0.01%	12,153.6	0.28%
e764	Class1a	15	109.5	0.00%	109.5	0.00%	5,699.1	0.13%
e767	Class1a	179	27,115.0	0.62%	27,115.0	0.62%	11,857.9	0.27%
e769	Class1a	1,002	101,356.3	2.33%	165,224.0	3.80%	22,627.7	0.52%
e770	Class1a	13	0.0	0.00%	1.7	0.00%	11,796.1	0.27%
e793	Class1a	4,361	19,669.3	0.45%	19,669.8	0.45%	28,284.7	0.65%
e820	Class1a	99	2,102.2	0.05%	2,121.1	0.05%	17,091.9	0.39%
e821	Class1a	0	0.0	0.00%	0.0	0.00%	3,556.6	0.08%
e835	Class1a	92	3,651.8	0.08%	3,651.8	0.08%	9,563.4	0.22%
e838	Class1a	83	661.4	0.02%	670.0	0.02%	8,422.0	0.19%
e855	Class1a	86	36,066.5	0.83%	41,599.5	0.96%	8,380.3	0.19%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	1,185.8	0.03%
e01	Consortia	56,476	287,174.1	6.60%	398,511.5	9.16%	345,335.9	7.94%
e05	Consortia	43,038	736,668.5	16.93%	981,733.3	22.56%	779,035.5	17.91%
e89	Consortia	33,046	325,110.3	7.47%	338,232.0	7.77%	374,273.9	8.60%
e280	Consortia	8,647	258,819.1	5.95%	304,160.3	6.99%	210,550.1	4.84%
e281	Consortia	2,045	68,857.8	1.58%	73,313.3	1.69%	117,908.1	2.71%
e283	Consortia	5,587	134,981.2	3.10%	135,479.3	3.11%	66,197.0	1.52%
e772	Consortia	1,223	37,432.6	0.86%	37,742.7	0.87%	63,165.0	1.45%
e773	Consortia	1,061	22,586.2	0.52%	22,586.2	0.52%	31,176.2	0.72%
e718	Pump Priming	0	0.0	0.00%	0.0	0.00%	677.6	0.02%
e818	Pump Priming	0	0.0	0.00%	0.0	0.00%	4,164.8	0.10%
e853	Pump Priming	73	48.1	0.00%	48.1	0.00%	225.0	0.01%
e856	Pump Priming	97	1,369.9	0.03%	1,369.9	0.03%	646.4	0.01%
e857	Pump Priming	6	295.8	0.01%	295.8	0.01%	677.6	0.02%
e858	Pump Priming	12	0.0	0.00%	48,008.8	1.10%	1.9	0.00%
e859	Pump Priming	219	2,700.5	0.06%	2,700.5	0.06%	619.9	0.01%
e874	Pump Priming	22	442.4	0.01%	442.4	0.01%	521.6	0.01%
e879	Pump Priming	0	0.0	0.00%	0.0	0.00%	239.1	0.01%
e703	Access to HPC	10	0.1	0.00%	0.1	0.00%	4,853.3	0.11%
e727	Access to HPC	66	1,159.9	0.03%	1,159.9	0.03%	5,638.2	0.13%
e734	Access to HPC	25	1,234.5	0.03%	1,234.5	0.03%	8,688.6	0.20%
e742	Access to HPC	261	1,516.0	0.03%	1,516.0	0.03%	4,563.7	0.10%
e743	Access to HPC	52	0.0	0.00%	1,321.6	0.03%	0.8	0.00%
e779	Access to HPC	92	1,238.4	0.03%	1,238.4	0.03%	2,375.0	0.05%
e781	Access to HPC	1,210	1,485.8	0.03%	1,485.8	0.03%	7,930.2	0.18%
e804	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,501.7	0.10%
e806	Access to HPC	0	0.0	0.00%	0.0	0.00%	760.6	0.02%
e807	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,388.0	0.08%
e822	Access to HPC	112	1,543.8	0.04%	1,704.1	0.04%	12,375.6	0.28%
e827	Access to HPC	30	5,960.5	0.14%	5,960.5	0.14%	6,210.1	0.14%
e829	Access to HPC	95	977.8	0.02%	1,130.2	0.03%	6,671.7	0.15%
e830	Access to HPC	82	12,496.6	0.29%	18,312.5	0.42%	16,578.3	0.38%
e840	Access to HPC	447	18,426.0	0.42%	18,436.7	0.42%	5,264.9	0.12%
e842	Access to HPC	3,175	7,029.0	0.16%	71,840.8	1.65%	12,851.8	0.30%
e843	Access to HPC	429	1,910.1	0.04%	3,350.3	0.08%	9,348.6	0.21%
e844	Access to HPC	51	2,233.5	0.05%	2,233.5	0.05%	5,263.8	0.12%
e845	Access to HPC	429	19,703.8	0.45%	19,721.2	0.45%	13,906.4	0.32%
e846	Access to HPC	160	13.1	0.00%	13.1	0.00%	23,581.6	0.54%
e847	Access to HPC	115	770.6	0.02%	776.3	0.02%	2,021.3	0.05%
e848	Access to HPC	183	1,649.4	0.04%	1,649.4	0.04%	5,474.3	0.13%
e850	Access to HPC	1,608	19,376.8	0.45%	19,377.3	0.45%	17,180.9	0.39%
e851	Access to HPC	87	8,351.0	0.19%	8,351.0	0.19%	75,798.1	1.74%
e852	Access to HPC	8	757.0	0.02%	757.0	0.02%	2,290.8	0.05%
e863	Access to HPC	57	2,911.0	0.07%	2,933.2	0.07%	8,140.0	0.19%
e864	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,308.5	0.08%

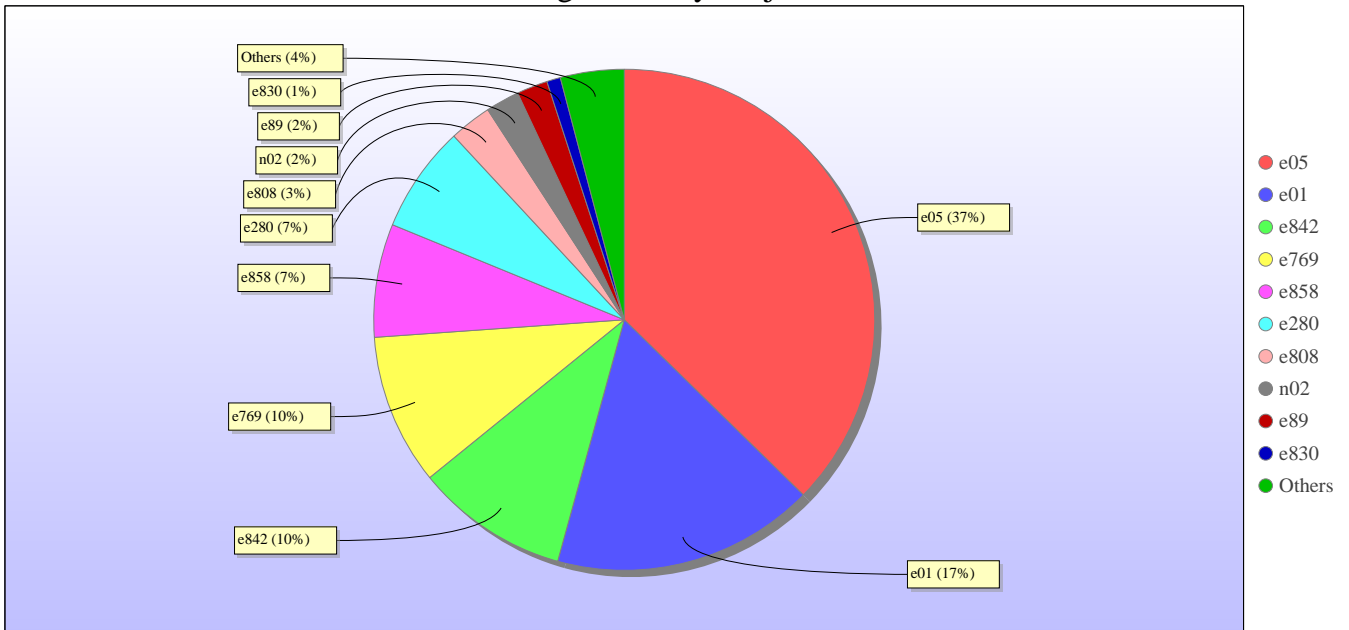
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e865	Access to HPC	827	10,882.5	0.25%	10,882.5	0.25%	24,445.5	0.56%
e873	Access to HPC	18	9,937.6	0.23%	9,937.6	0.23%	11,299.2	0.26%
e876	Access to HPC	7	288.1	0.01%	288.1	0.01%	1,499.3	0.03%
e877	Access to HPC	448	26,409.6	0.61%	26,409.6	0.61%	47,804.4	1.10%
e881	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,172.9	0.05%
e883	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,997.4	0.05%
EPSRC Total		179,588	2,502,832.8	57.52%	3,140,617.3	72.18%	3,075,271.5	70.68%
n01	Consortia	2,836	54,364.1	1.25%	54,956.2	1.26%	83,063.0	1.91%
n02	Consortia	91,679	840,134.5	19.31%	854,428.3	19.64%	601,060.3	13.81%
n03	Consortia	2,959	90,862.6	2.09%	90,953.1	2.09%	77,457.5	1.78%
NERC Total		97,474	985,361.1	22.65%	1,000,337.7	22.99%	761,580.8	17.50%
b19	Class1a	0	0.0	0.00%	0.0	0.00%	2,686.1	0.06%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	2,686.1	0.06%
e756	Leadership Awards	117	383.5	0.01%	383.5	0.01%	5,080.8	0.12%
e723	Class1a	351	15,260.7	0.35%	17,876.1	0.41%	39,598.5	0.91%
e738	Class1a	0	0.0	0.00%	0.0	0.00%	16,844.0	0.39%
e860	Class1a	53	939.0	0.02%	939.0	0.02%	673.9	0.02%
UKRI Total		521	16,583.2	0.38%	19,198.7	0.44%	62,197.3	1.43%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	58.9	0.00%
ecseag06	eCSE	75	34.3	0.00%	34.3	0.00%	16.4	0.00%
ecseag09	eCSE	53	784.9	0.02%	1,142.4	0.03%	225.2	0.01%
ecseah01	eCSE	36	0.6	0.00%	0.6	0.00%	101.8	0.00%
ecseah05	eCSE	390	38.6	0.00%	45.1	0.00%	54.4	0.00%
ecseah12	eCSE	0	0.0	0.00%	0.0	0.00%	95.9	0.00%
ecseai04	eCSE	23	6.9	0.00%	60.0	0.00%	166.2	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	124.6	0.00%
ecseai10	eCSE	0	0.0	0.00%	0.0	0.00%	95.9	0.00%
ecseai12	eCSE	0	0.0	0.00%	0.0	0.00%	58.9	0.00%
ecseaj02	eCSE	256	49.9	0.00%	49.9	0.00%	59.3	0.00%
ecseak01	eCSE	262	58.2	0.00%	58.2	0.00%	62.9	0.00%
ecseak02	eCSE	0	0.0	0.00%	0.0	0.00%	141.0	0.00%
ecseak03	eCSE	16	1.4	0.00%	1.9	0.00%	67.9	0.00%
ecseak05	eCSE	0	0.0	0.00%	0.0	0.00%	125.7	0.00%
ecseak07	eCSE	33	42.2	0.00%	42.2	0.00%	84.7	0.00%
ecseak09	eCSE	0	0.0	0.00%	0.0	0.00%	71.7	0.00%
ecseak10	eCSE	0	0.0	0.00%	0.0	0.00%	96.5	0.00%
ecseak11	eCSE	139	119.0	0.00%	119.0	0.00%	195.2	0.00%
ecseak12	eCSE	0	0.0	0.00%	0.0	0.00%	60.1	0.00%
ecseak14	eCSE	0	0.0	0.00%	0.0	0.00%	166.8	0.00%
ecseak15	eCSE	0	0.0	0.00%	0.0	0.00%	169.9	0.00%
ecseak16	eCSE	0	0.0	0.00%	0.0	0.00%	70.3	0.00%
eCSE Total		1,283	1,136.0	0.03%	1,553.6	0.04%	2,370.1	0.05%
d35	Research	1,462	100.4	0.00%	100.4	0.00%	413.3	0.01%
d011	Research	275	7.3	0.00%	7.3	0.00%	175.6	0.00%
d142	Research	0	0.0	0.00%	0.0	0.00%	847.0	0.02%
d183	Research	39	57.6	0.00%	57.6	0.00%	83.3	0.00%
d184	Research	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
d196	Research	0	0.0	0.00%	0.0	0.00%	42.5	0.00%
d197	Research	0	0.0	0.00%	0.0	0.00%	677.4	0.02%
d198	Research	0	0.0	0.00%	0.0	0.00%	28.3	0.00%
d199	Research	0	0.0	0.00%	0.0	0.00%	452.6	0.01%
d435	Research	788	966.5	0.02%	966.8	0.02%	3,811.5	0.09%
d437	Research	0	0.0	0.00%	0.0	0.00%	423.5	0.01%
i246	Research	41	0.0	0.00%	739.2	0.02%	0.1	0.00%
d195	Industrial	0	0.0	0.00%	0.0	0.00%	83.1	0.00%
d433	Industrial	3	0.4	0.00%	0.4	0.00%	17.0	0.00%
d434	Industrial	2	0.0	0.00%	0.0	0.00%	29.0	0.00%
d440	Industrial	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d441	Industrial	0	0.0	0.00%	0.0	0.00%	176.5	0.00%
i18	Industrial	7	137.1	0.00%	137.1	0.00%	1,122.6	0.03%
i26	Industrial	0	0.0	0.00%	0.0	0.00%	92.5	0.00%
i29	Industrial	84	10.4	0.00%	10.4	0.00%	1,735.7	0.04%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
i239	Industrial	448	2,205.3	0.05%	2,205.3	0.05%	1,299.4	0.03%
i241	Industrial	0	0.0	0.00%	0.0	0.00%	1,588.4	0.04%
i242	Industrial	0	0.0	0.00%	0.0	0.00%	252.0	0.01%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	659.8	0.02%
i244	Industrial	557	450.9	0.01%	450.9	0.01%	878.2	0.02%
i248	Industrial	508	21,850.5	0.50%	21,853.1	0.50%	6,510.4	0.15%
i250	Industrial	45	127.2	0.00%	127.2	0.00%	75.6	0.00%
i251	Industrial	27	28.7	0.00%	28.7	0.00%	33.2	0.00%
i252	Industrial	14	4.2	0.00%	4.2	0.00%	378.0	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	339.2	0.01%
m23oc	Training	523	75.1	0.00%	93.7	0.00%	563.0	0.01%
m23ol	Training	0	0.0	0.00%	0.0	0.00%	375.3	0.01%
m24hw	Training	0	0.0	0.00%	0.0	0.00%	280.4	0.01%
m24oc	Training	0	0.0	0.00%	0.0	0.00%	560.7	0.01%
m24ol	Training	0	0.0	0.00%	0.0	0.00%	280.4	0.01%
m24ext	Training	0	0.0	0.00%	0.0	0.00%	56.1	0.00%
mdisspt	Training	9	650.8	0.01%	650.8	0.01%	184.5	0.00%
ta109	Training	79	2,028.8	0.05%	2,028.8	0.05%	557.9	0.01%
ta110	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta111	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta112	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta124	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta125	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta126	Training	0	0.0	0.00%	0.0	0.00%	31.8	0.00%
ta127	Training	0	0.0	0.00%	0.0	0.00%	660.6	0.02%
ta135	Training	6	0.0	0.00%	0.0	0.00%	1,020.7	0.02%
ta136	Training	43	0.1	0.00%	0.1	0.00%	15.3	0.00%
ta156	Training	13	0.0	0.00%	0.0	0.00%	31.8	0.00%
ta157	Training	0	0.0	0.00%	0.0	0.00%	508.2	0.01%
ta162	Training	3	0.1	0.00%	0.1	0.00%	306.9	0.01%
ta163	Training	885	0.0	0.00%	1.1	0.00%	150.0	0.00%
ta164	Training	93	1.4	0.00%	1.4	0.00%	112.0	0.00%
ta165	Training	0	0.0	0.00%	0.0	0.00%	56.7	0.00%
ta166	Training	314	1.1	0.00%	1.1	0.00%	140.3	0.00%
ta167	Training	61	15.4	0.00%	15.4	0.00%	1,006.2	0.02%
d438	Service	0	0.0	0.00%	0.0	0.00%	5,635.5	0.13%
d439	Service	0	0.0	0.00%	0.0	0.00%	25,409.8	0.58%
y01	Service	0	0.0	0.00%	0.0	0.00%	74.8	0.00%
y02	Service	83	45.6	0.00%	46.0	0.00%	4,235.0	0.10%
y07	Service	0	0.0	0.00%	0.0	0.00%	28.3	0.00%
z02	Service	2	0.0	0.00%	0.0	0.00%	8.5	0.00%
z19	Service	4,326	5,443.4	0.13%	5,453.0	0.13%	42,349.7	0.97%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
DirectorsTime Total		10,740	34,208.4	0.79%	34,980.2	0.80%	106,967.2	2.46%
e697	Class1a	2	5,343.3	0.12%	5,343.3	0.12%	0.0	0.00%
Total		2	5,343.3	0.12%	5,343.3	0.12%	0.0	0.00%
Total		289,608	3,545,464.9	81.49%	4,202,030.7	96.58%	4,011,073.1	92.19%

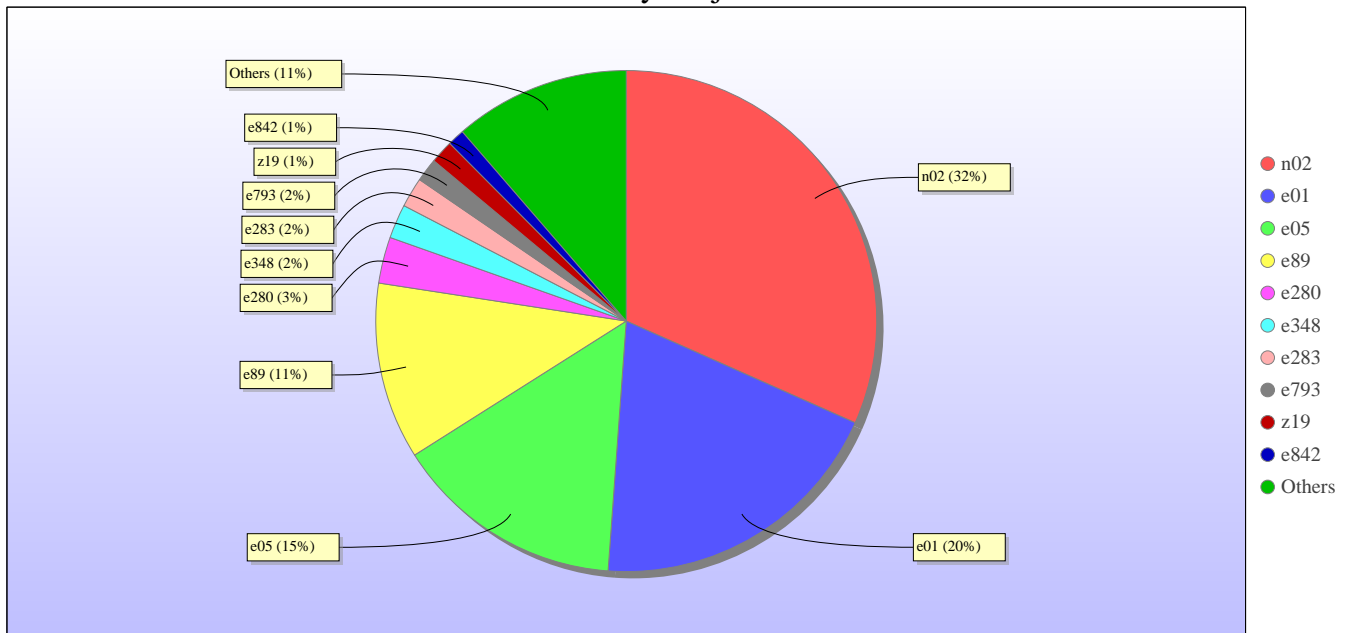
Use by Project



Uncharged Use by Project



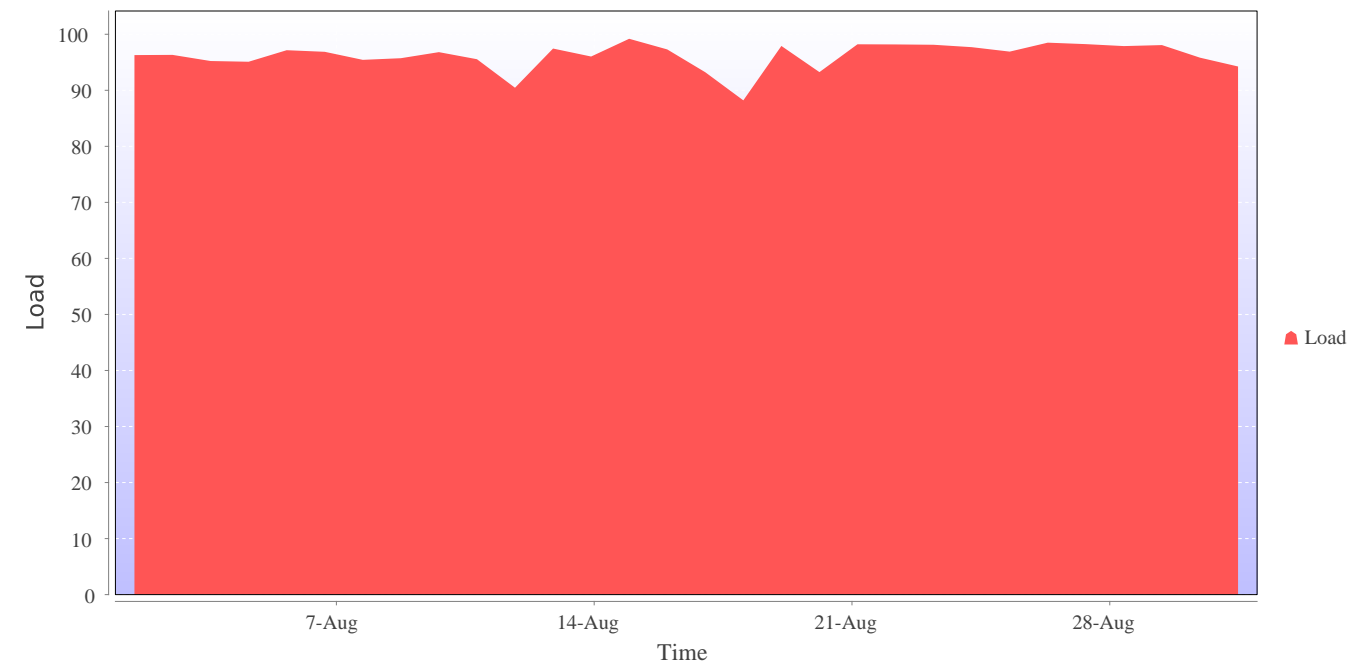
Jobs by Project



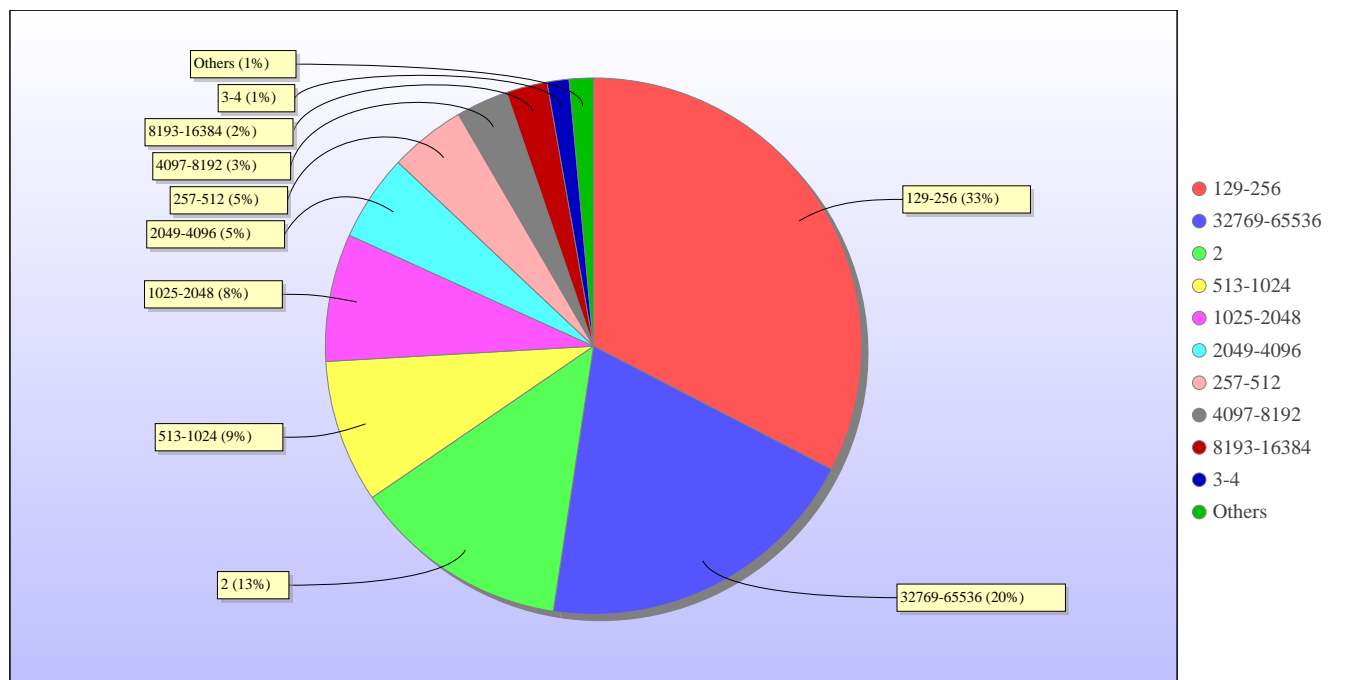
CUs (by Size)

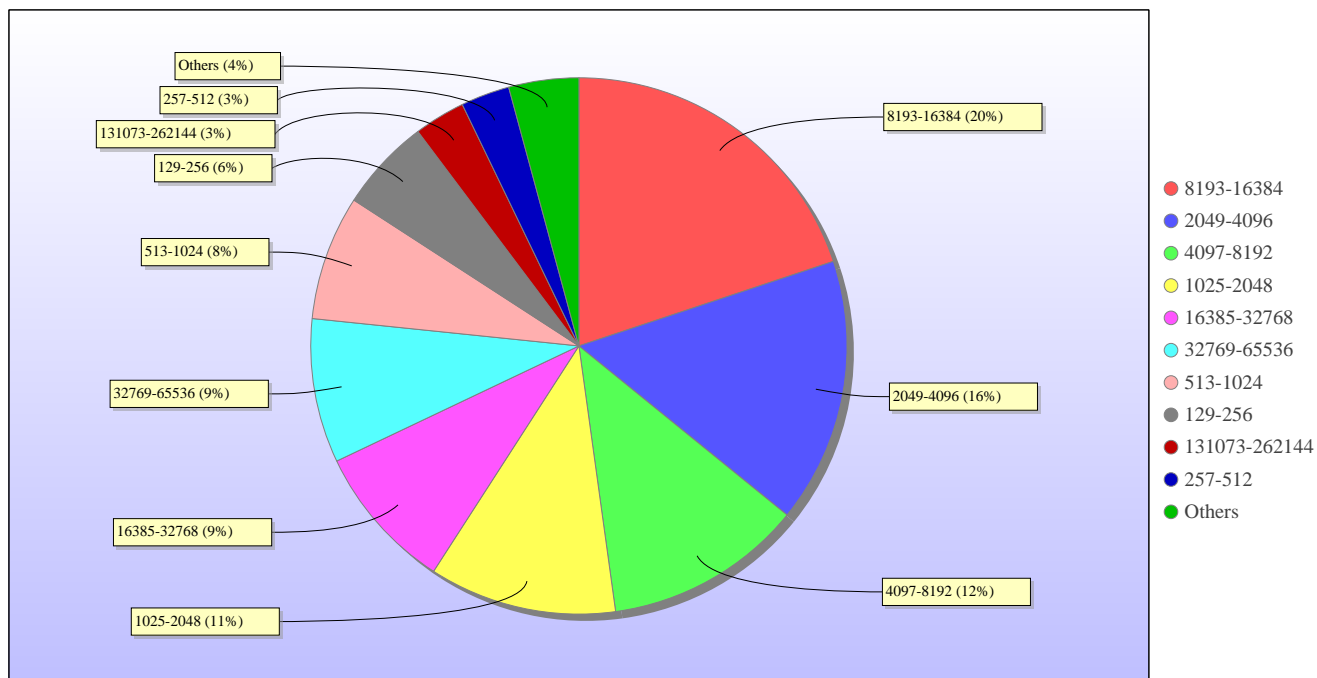
Size	CUs	Number of Jobs
1	0	1
2	0	37,813
3-4	0	3,833
5-8	0	1,713
9-16	0	133
17-32	0	738
33-64	0	413
129-256	232,810.648	94,407
257-512	119,875.255	13,296
513-1024	312,629.499	25,006
1025-2048	431,442.2	22,291
2049-4096	601,746.308	15,129
4097-8192	448,769.081	9,113
8193-16384	719,070.209	7,168
16385-32768	285,230.289	1,030
32769-65536	275,854.475	57,345
65537-131072	46,907.486	117
131073-262144	36,151.159	58
262145-524288	34,978.259	4

Load plots

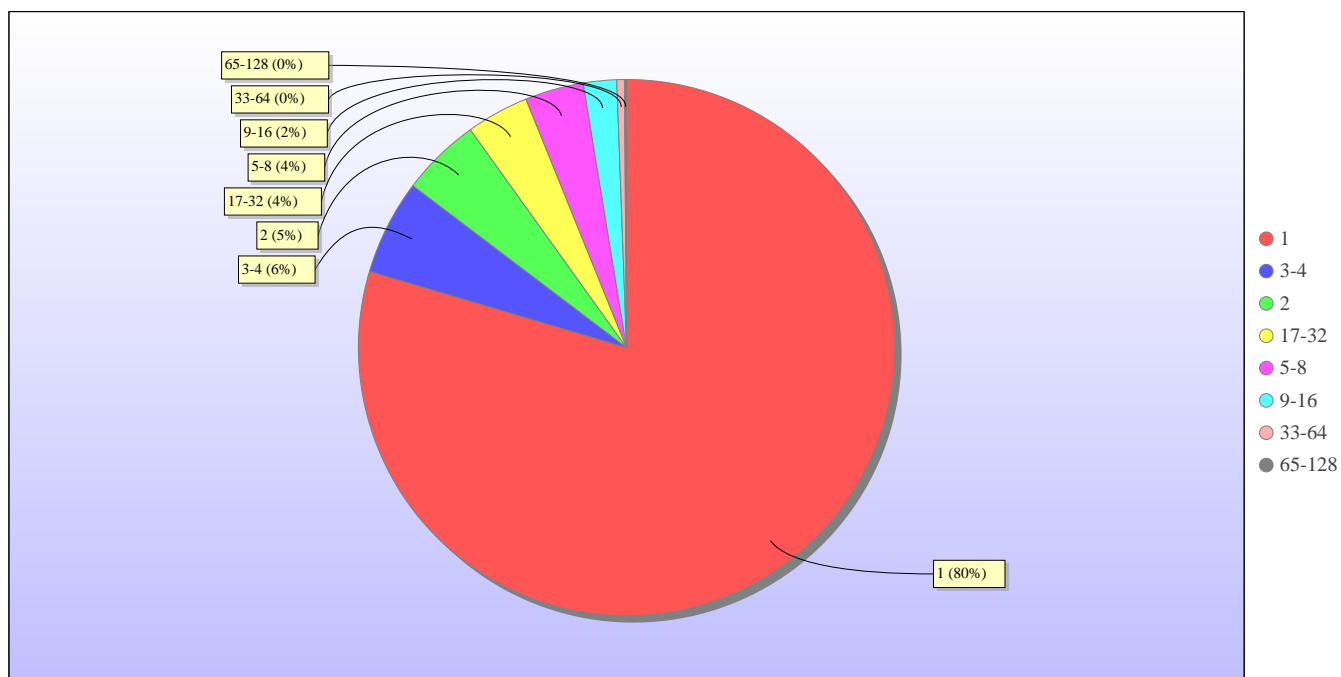


Percentage load on machine

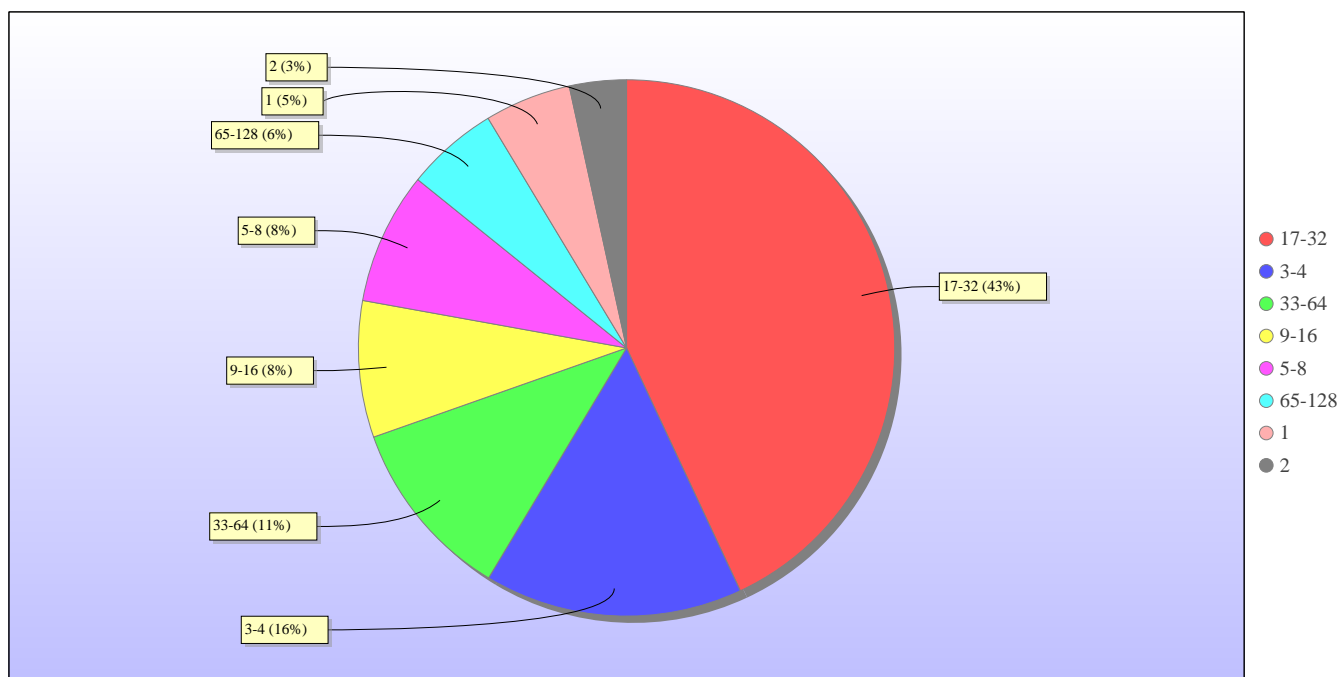




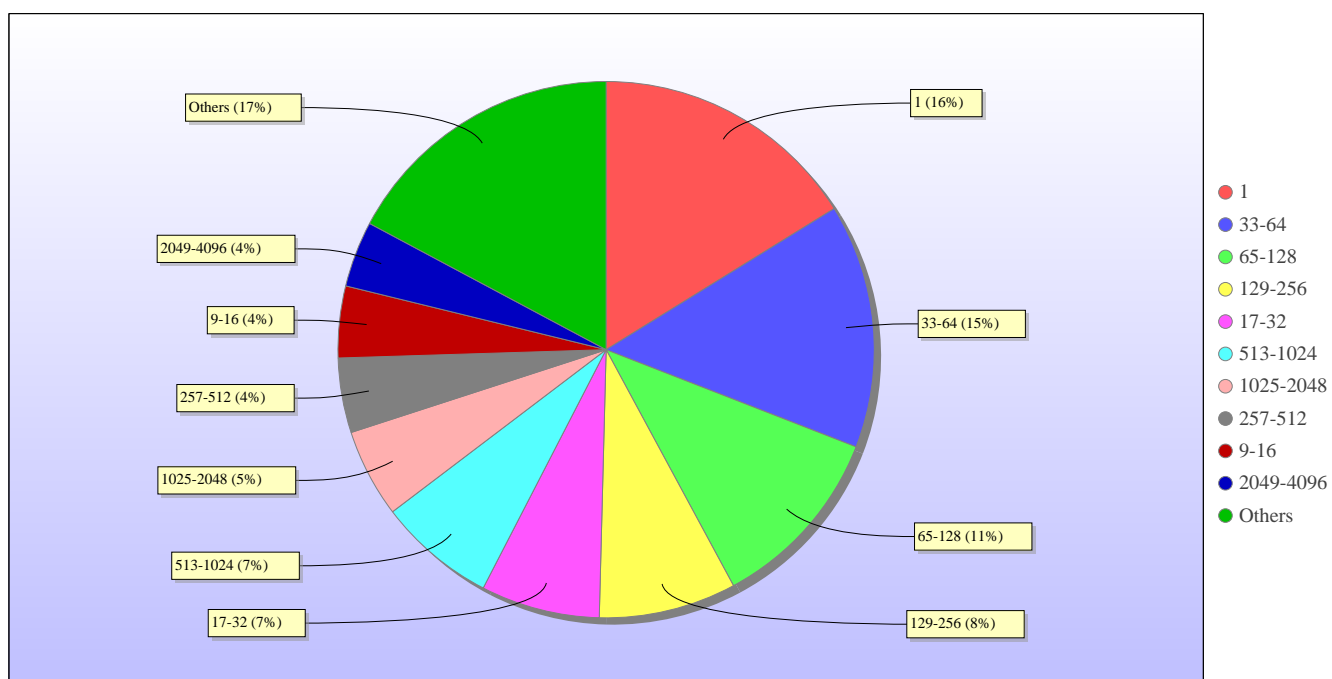
CUs used by Size



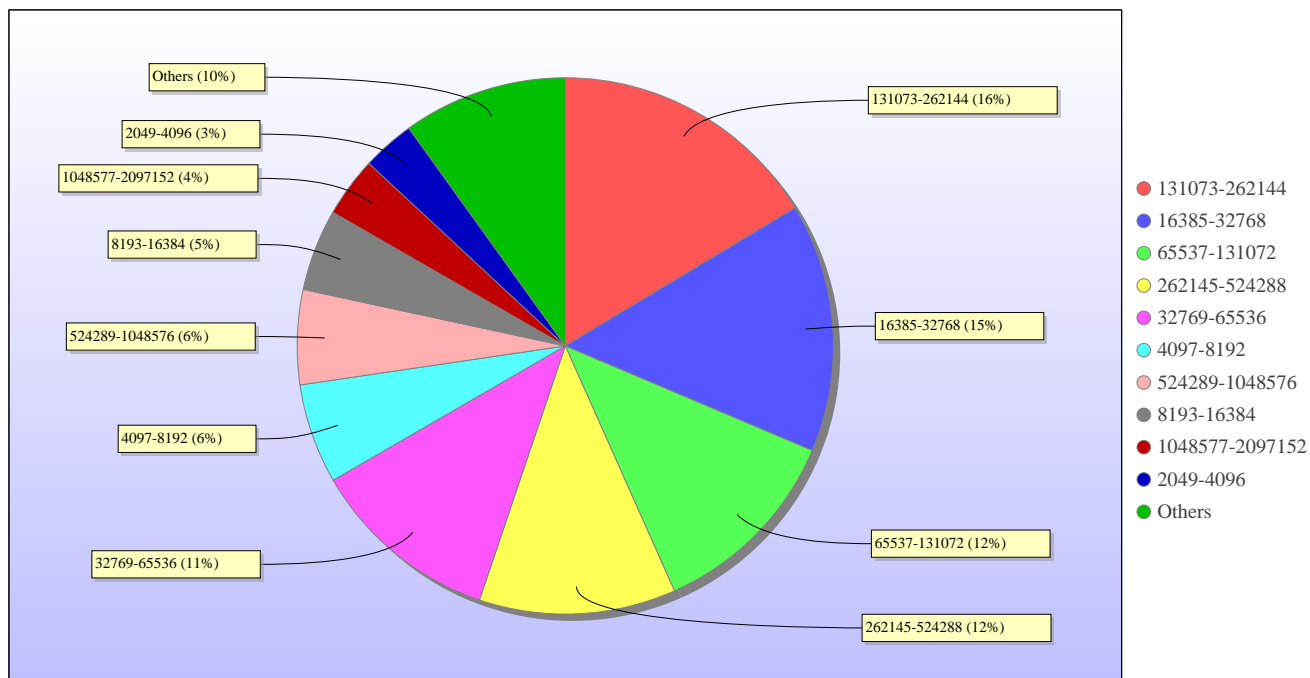
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

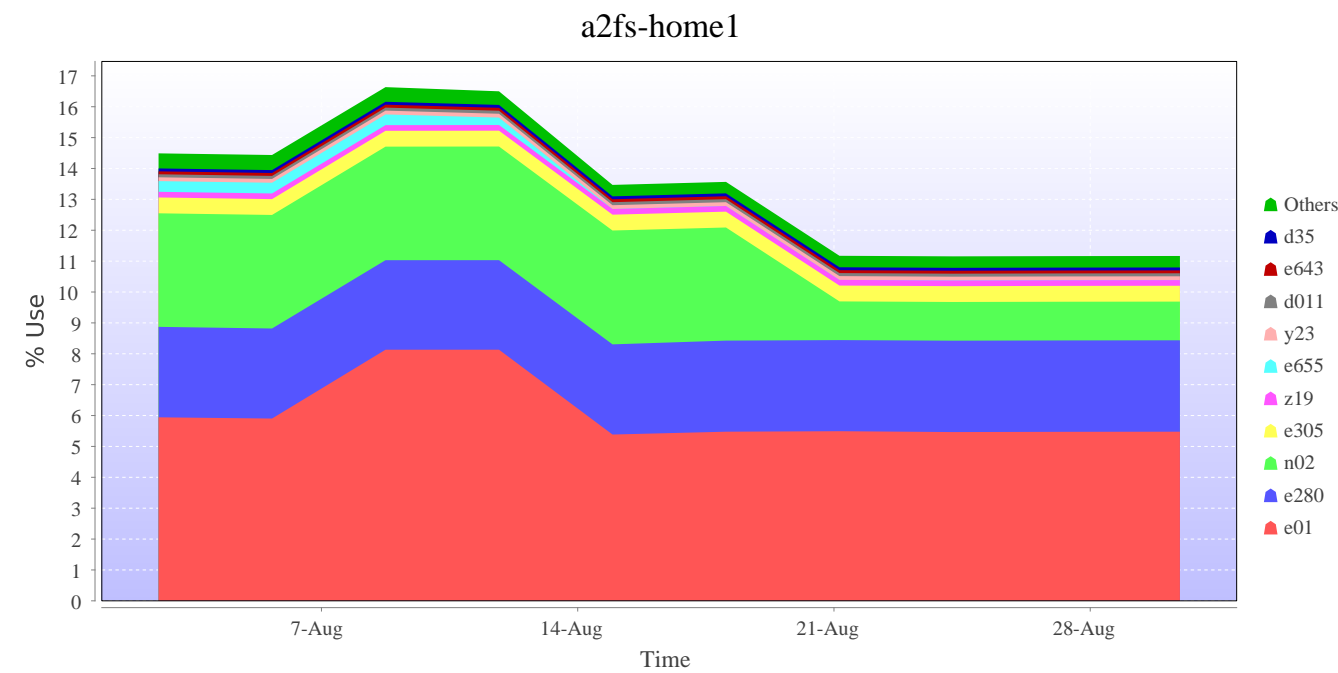


CUs used grouped by core-hours

Disk usage

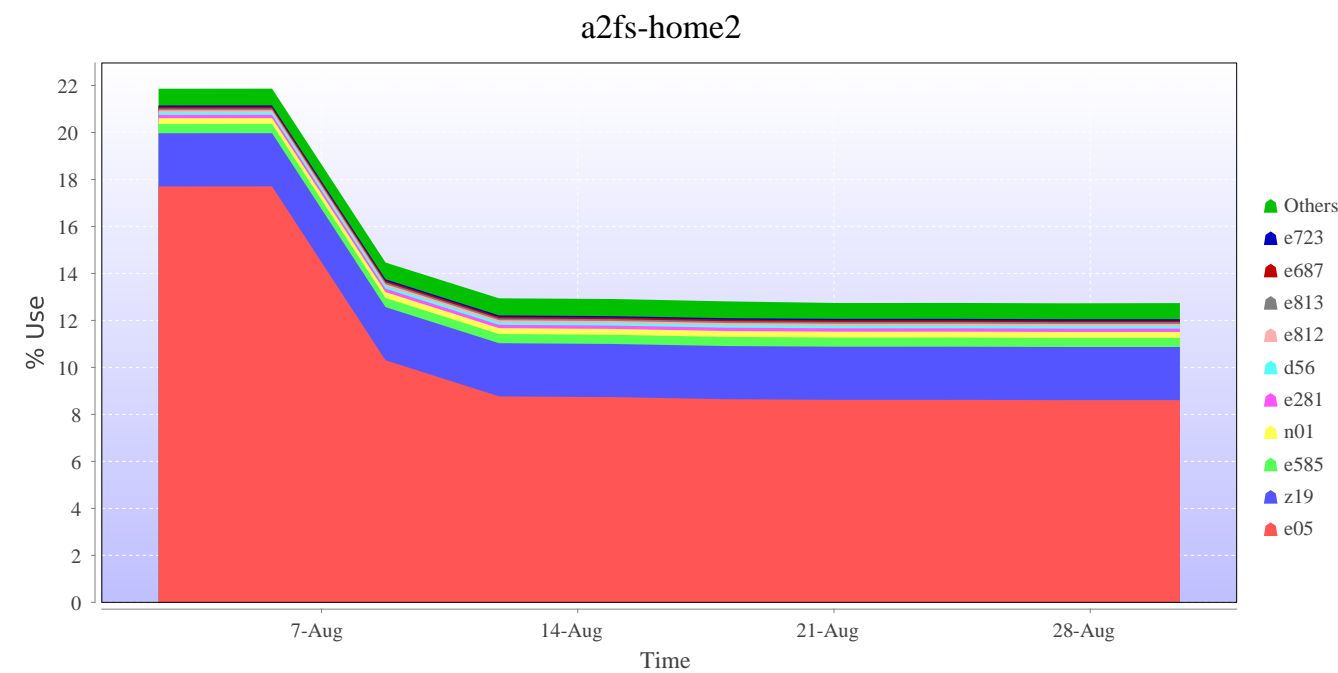
Disk usage for home (a2fs-home1)

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.



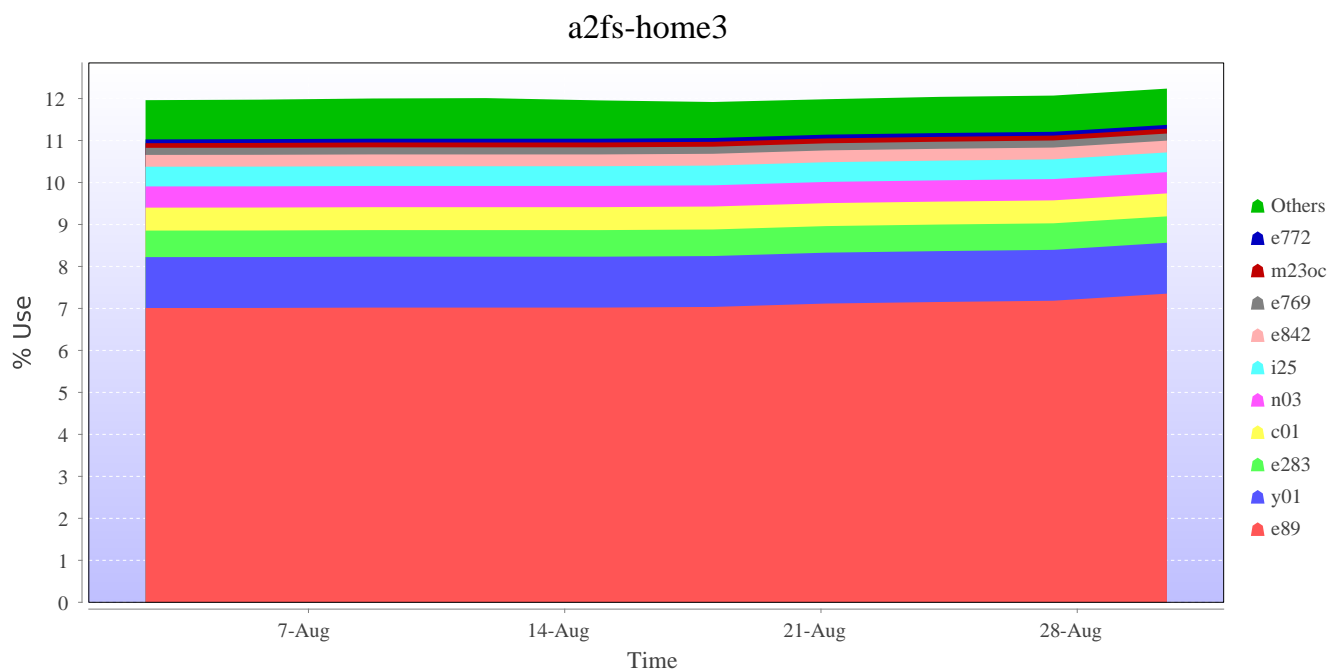
Disk usage for home (a2fs-home2)

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.



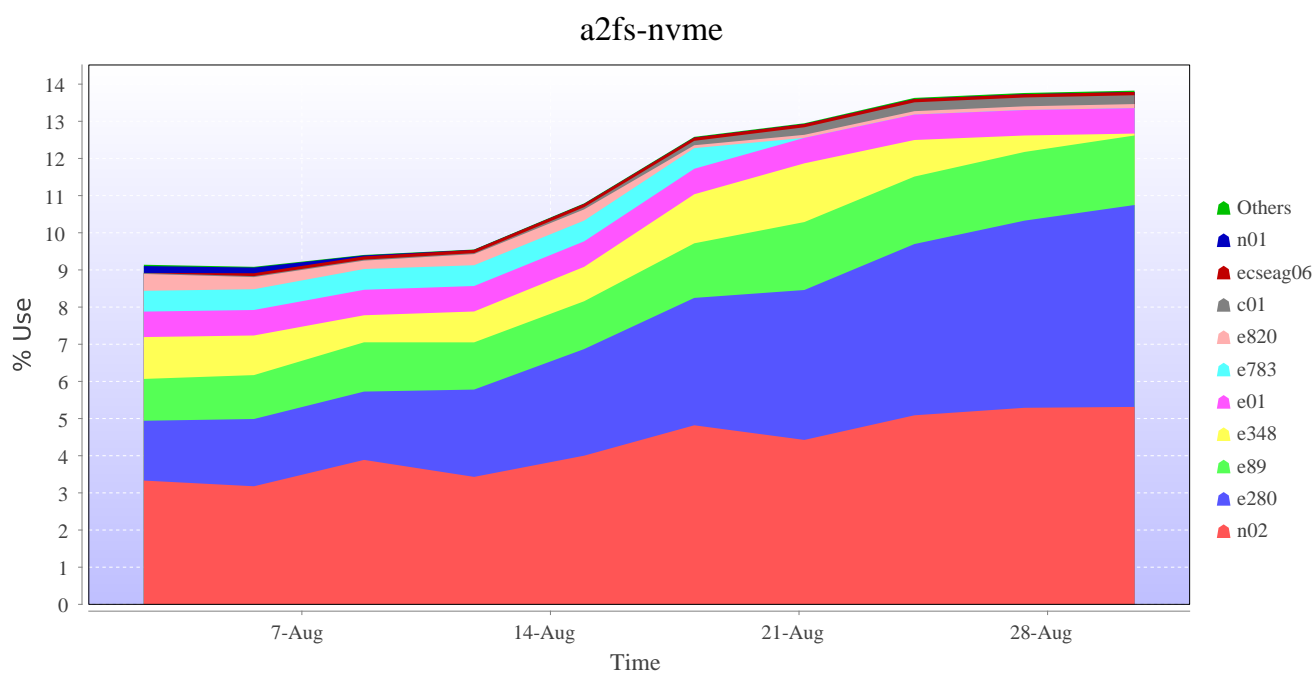
Disk usage for home (a2fs-home3)

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.



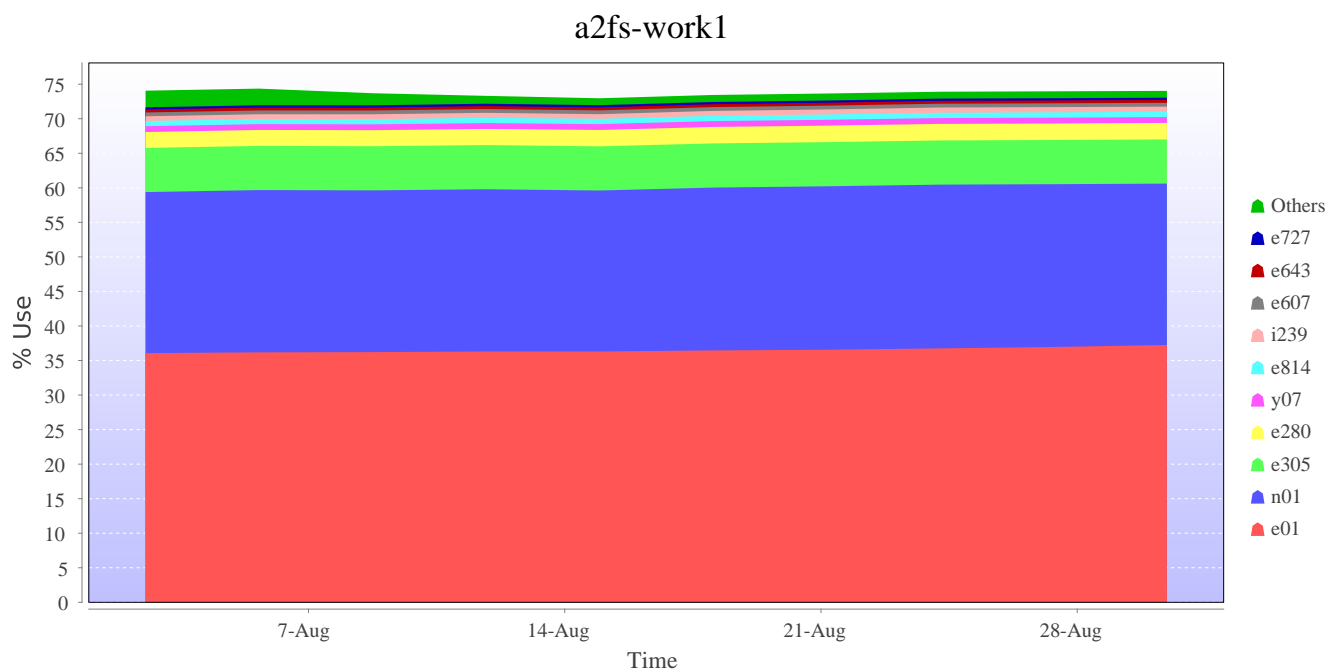
Disk usage for scratch (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme 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.



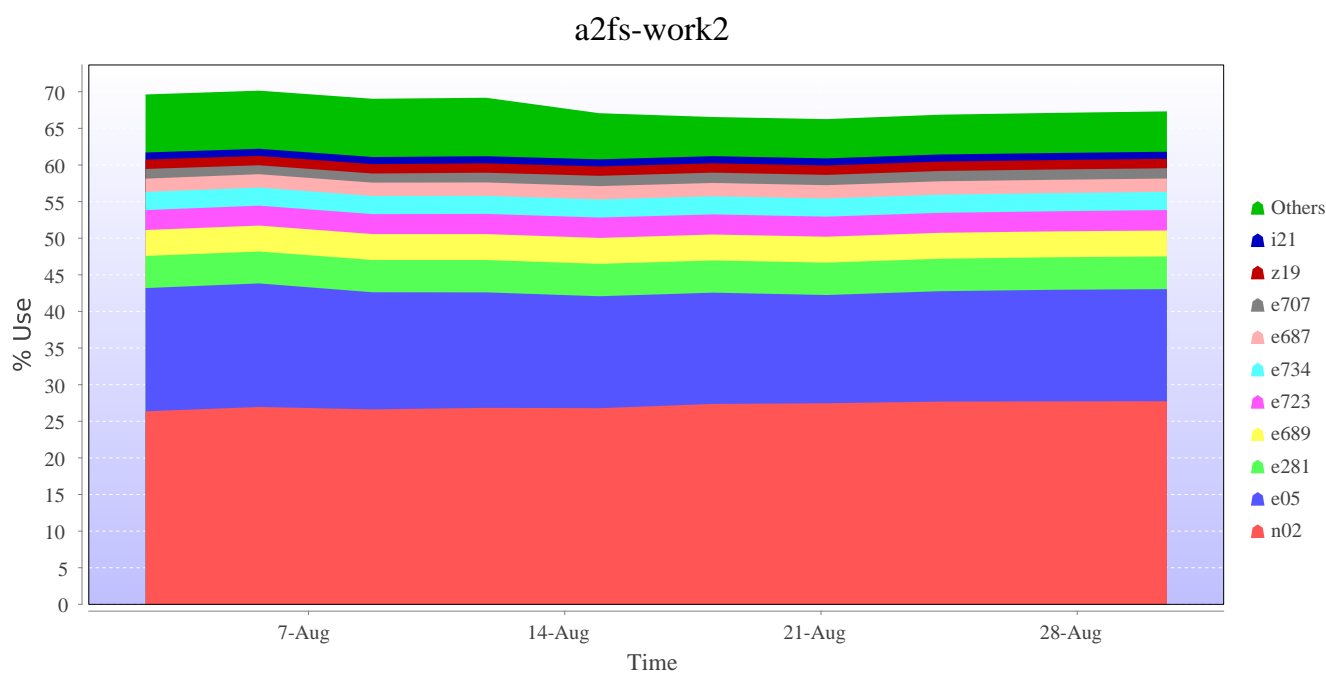
Disk usage for work (a2fs-work1)

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.



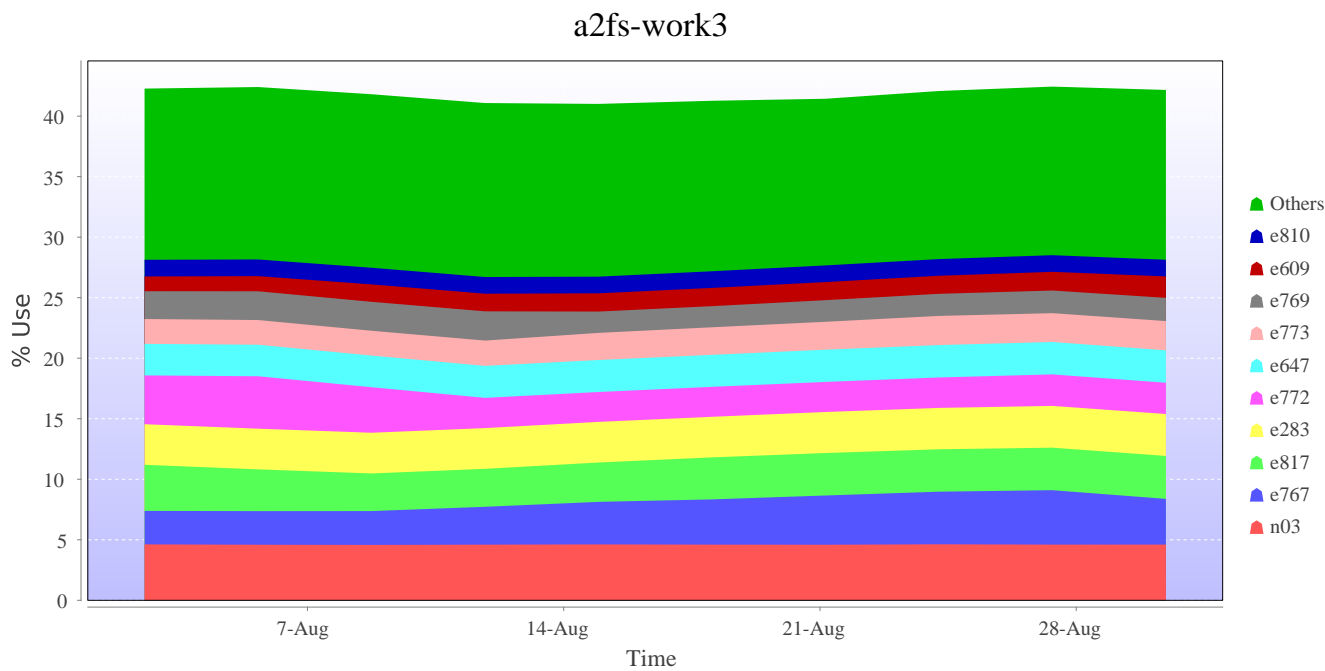
Disk usage for work (a2fs-work2)

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.



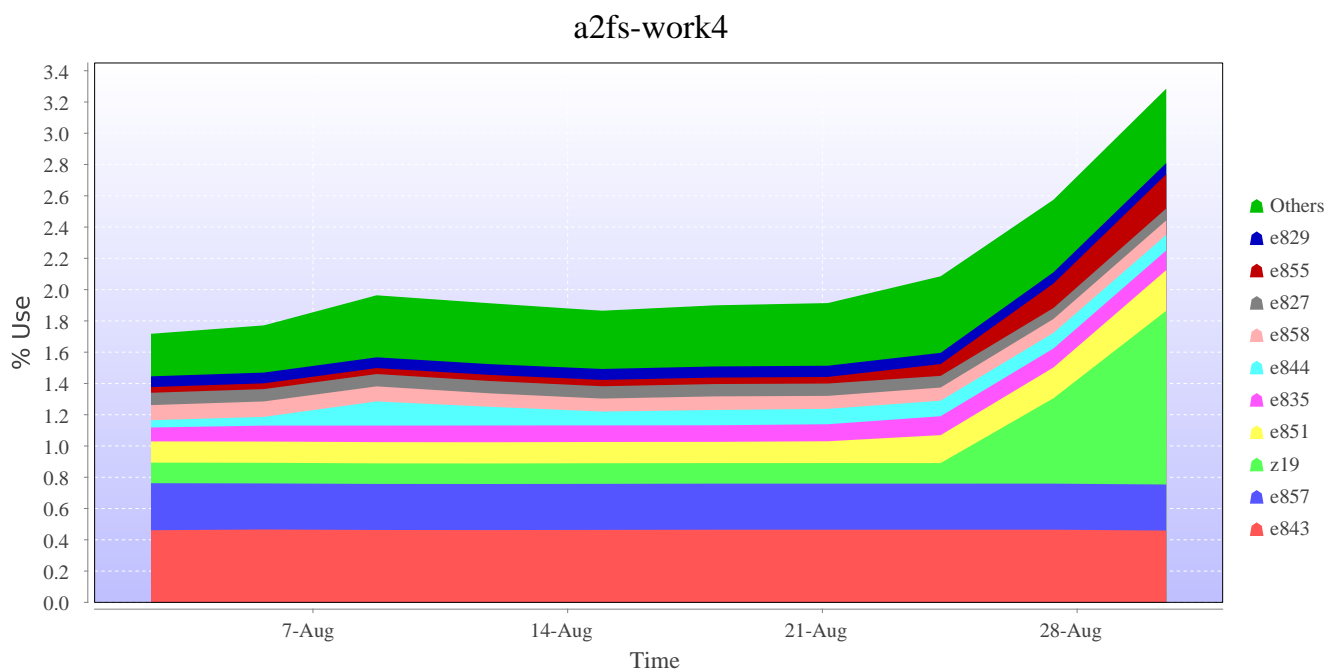
Disk usage for work (a2fs-work3)

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.



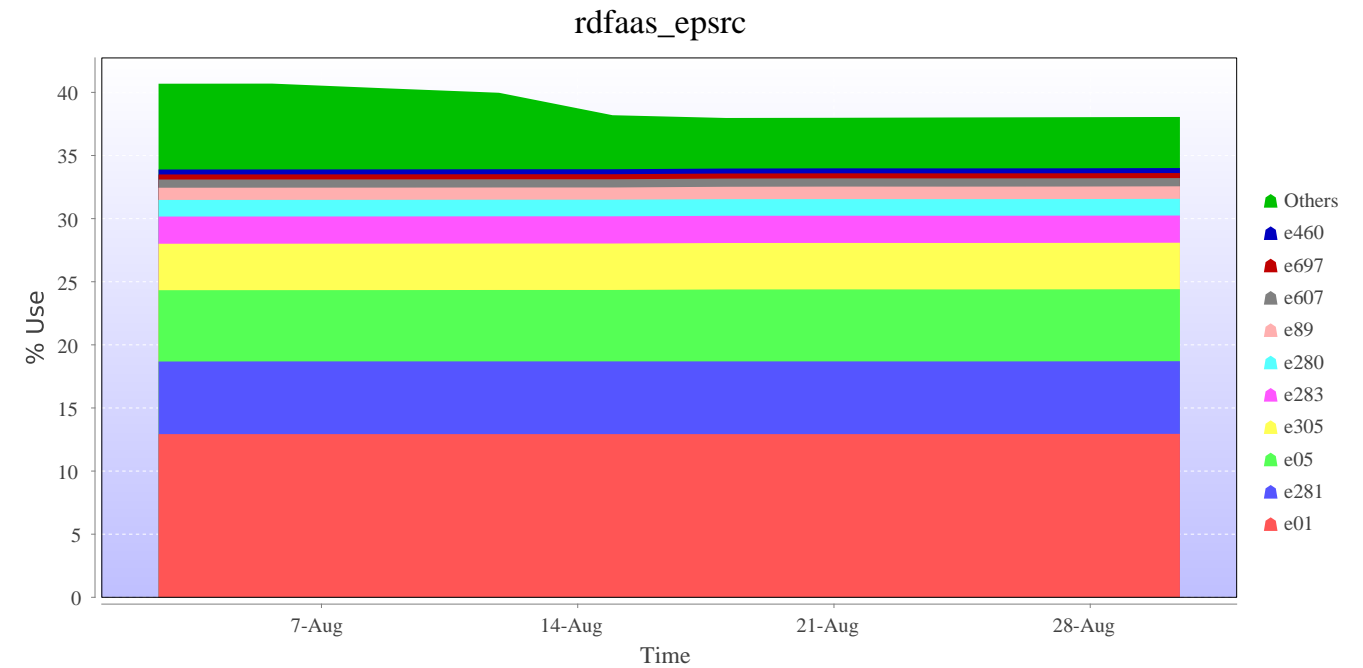
Disk usage for work (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 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.

