

Monthly Reporting

Report from 01 April 2023 to 30 April 2023

Report for Resource Pool Archer2 on archer2

A total of 4,210,560 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.

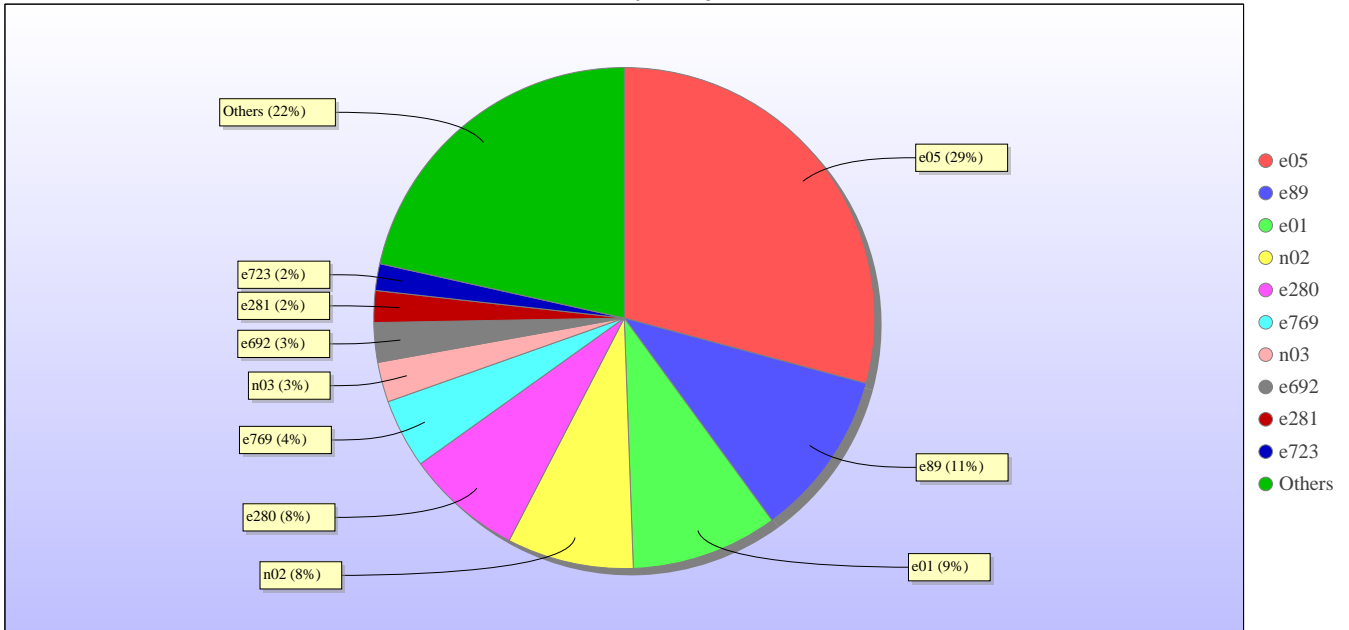
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e572	Leadership Awards	15	12.0	0.00%	12.0	0.00%	2,038.5	0.05%
e645	Leadership Awards	1,815	6,128.6	0.15%	6,129.2	0.15%	20,004.3	0.48%
e787	Leadership Awards	0	0.0	0.00%	0.0	0.00%	984.6	0.02%
e683	Pioneer Projects	411	4,345.0	0.10%	4,345.0	0.10%	13,793.2	0.33%
e685	Pioneer Projects	245	2,450.1	0.06%	3,410.3	0.08%	12,113.0	0.29%
e686	Pioneer Projects	905	20,874.9	0.50%	30,142.4	0.72%	18,236.2	0.43%
e687	Pioneer Projects	684	49,294.3	1.17%	49,441.6	1.17%	21,618.2	0.51%
e688	Pioneer Projects	277	20,122.3	0.48%	20,181.3	0.48%	32,949.6	0.78%
e689	Pioneer Projects	1	5,948.8	0.14%	5,948.8	0.14%	22,878.2	0.54%
e690	Pioneer Projects	247	28,919.6	0.69%	28,922.3	0.69%	24,867.6	0.59%
e691	Pioneer Projects	58	20,600.5	0.49%	20,600.5	0.49%	25,353.0	0.60%
e692	Pioneer Projects	75	100,270.7	2.38%	100,270.7	2.38%	19,138.1	0.45%
c01	Class1a	1,524	13,282.9	0.32%	13,964.8	0.33%	24,710.2	0.59%
e348	Class1a	3,287	5,494.2	0.13%	5,494.4	0.13%	13,892.7	0.33%
e575	Class1a	188	1,613.0	0.04%	1,613.0	0.04%	2,609.3	0.06%
e607	Class1a	364	7,812.7	0.19%	67,515.5	1.60%	9,641.0	0.23%
e609	Class1a	1,436	5,515.5	0.13%	15,311.3	0.36%	18,760.1	0.45%
e643	Class1a	57	869.0	0.02%	1,530.4	0.04%	2,241.6	0.05%
e647	Class1a	548	1,338.9	0.03%	1,339.9	0.03%	37,860.2	0.90%
e649	Class1a	0	0.0	0.00%	0.0	0.00%	1,002.8	0.02%
e663	Class1a	285	2,082.1	0.05%	2,082.1	0.05%	2,955.5	0.07%
e664	Class1a	0	0.0	0.00%	0.0	0.00%	870.3	0.02%
e667	Class1a	57	2,858.1	0.07%	2,858.1	0.07%	2,024.7	0.05%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	2,788.0	0.07%
e696	Class1a	59	295.2	0.01%	295.2	0.01%	406.2	0.01%
e697	Class1a	44	14,824.3	0.35%	39,622.7	0.94%	8,634.5	0.21%
e700	Class1a	12	439.0	0.01%	439.0	0.01%	2,735.4	0.06%
e701	Class1a	0	0.0	0.00%	0.0	0.00%	1,840.1	0.04%
e705	Class1a	33	4,531.9	0.11%	4,531.9	0.11%	3,657.5	0.09%
e707	Class1a	0	0.0	0.00%	0.0	0.00%	17,003.2	0.40%

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e708	Class1a	0	0.0	0.00%	0.0	0.00%	1,957.0	0.05%
e710	Class1a	458	141.8	0.00%	141.8	0.00%	3,913.9	0.09%
e720	Class1a	159	17,525.1	0.42%	19,770.9	0.47%	22,087.5	0.52%
e721	Class1a	53	68.9	0.00%	70.4	0.00%	2,704.9	0.06%
e728	Class1a	19	1,645.4	0.04%	1,694.5	0.04%	2,316.1	0.06%
e751	Class1a	111	637.2	0.02%	637.2	0.02%	4,970.2	0.12%
e752	Class1a	0	0.0	0.00%	0.0	0.00%	3,442.6	0.08%
e758	Class1a	389	4,870.8	0.12%	4,930.9	0.12%	4,507.3	0.11%
e761	Class1a	87	911.3	0.02%	50,385.3	1.20%	1,515.5	0.04%
e763	Class1a	0	0.0	0.00%	0.0	0.00%	165.8	0.00%
e764	Class1a	11	2,081.5	0.05%	2,081.5	0.05%	19,319.7	0.46%
e769	Class1a	477	81,587.6	1.94%	175,827.0	4.18%	24,730.9	0.59%
e770	Class1a	0	0.0	0.00%	0.0	0.00%	6,631.4	0.16%
e786	Class1a	68	696.8	0.02%	696.8	0.02%	9,449.7	0.22%
e6337	Class1a	0	0.0	0.00%	0.0	0.00%	1,826.0	0.04%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	978.5	0.02%
e01	Consortia	3,035	308,788.2	7.33%	372,629.4	8.85%	339,890.4	8.07%
e05	Consortia	32,637	637,373.7	15.14%	1,149,626.7	27.30%	766,751.1	18.21%
e89	Consortia	24,861	399,909.0	9.50%	423,490.6	10.06%	368,372.1	8.75%
e280	Consortia	5,535	172,046.0	4.09%	295,773.3	7.02%	207,230.0	4.92%
e281	Consortia	2,356	80,532.0	1.91%	80,676.7	1.92%	92,839.1	2.20%
e283	Consortia	6,429	59,213.5	1.41%	59,413.1	1.41%	49,735.2	1.18%
e585	Consortia	175	0.0	0.00%	8,423.4	0.20%	0.2	0.00%
e772	Consortia	2,742	23,935.8	0.57%	24,772.1	0.59%	56,830.1	1.35%
e773	Consortia	50	457.8	0.01%	457.8	0.01%	11,219.8	0.27%
e762	Pump Priming	0	0.0	0.00%	0.0	0.00%	179.4	0.00%
e766	Pump Priming	12	569.5	0.01%	617.9	0.01%	641.7	0.02%
e768	Pump Priming	0	0.0	0.00%	0.0	0.00%	663.1	0.02%
e771	Pump Priming	0	0.0	0.00%	0.0	0.00%	131.9	0.00%
e784	Pump Priming	0	0.0	0.00%	0.0	0.00%	652.5	0.02%
e785	Pump Priming	114	18.6	0.00%	18.6	0.00%	658.2	0.02%
e788	Pump Priming	253	302.2	0.01%	303.3	0.01%	648.8	0.02%
e789	Pump Priming	32	3,341.3	0.08%	9,072.2	0.22%	552.7	0.01%
e790	Pump Priming	49	461.3	0.01%	461.3	0.01%	648.6	0.02%
e791	Pump Priming	12	6.3	0.00%	6.3	0.00%	306.0	0.01%
e792	Pump Priming	0	0.0	0.00%	0.0	0.00%	306.0	0.01%
e507	Access to HPC	7	332.5	0.01%	332.5	0.01%	4,478.5	0.11%
e673	Access to HPC	104	3,194.9	0.08%	14,920.0	0.35%	3,315.7	0.08%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	5,342.5	0.13%
e703	Access to HPC	555	20,260.9	0.48%	20,262.7	0.48%	4,664.5	0.11%
e734	Access to HPC	289	7,940.2	0.19%	8,023.9	0.19%	8,289.2	0.20%
e742	Access to HPC	202	1,578.0	0.04%	1,578.0	0.04%	2,072.3	0.05%
e743	Access to HPC	99	1,550.1	0.04%	1,550.1	0.04%	13,114.8	0.31%
e747	Access to HPC	59	217.8	0.01%	217.8	0.01%	64,934.3	1.54%
e748	Access to HPC	122	18,205.0	0.43%	18,205.0	0.43%	24,462.1	0.58%
e755	Access to HPC	12	5,246.7	0.12%	5,246.7	0.12%	7,321.0	0.17%
e774	Access to HPC	399	4,890.5	0.12%	4,890.5	0.12%	9,456.5	0.22%
e775	Access to HPC	23	21,548.1	0.51%	21,548.1	0.51%	15,231.6	0.36%
e776	Access to HPC	28	2,506.3	0.06%	2,506.3	0.06%	5,635.7	0.13%
e777	Access to HPC	20	0.0	0.00%	37,390.7	0.89%	6,854.2	0.16%
e778	Access to HPC	792	3,473.0	0.08%	3,481.6	0.08%	8,103.2	0.19%
e779	Access to HPC	327	2,790.6	0.07%	2,790.6	0.07%	761.6	0.02%
e780	Access to HPC	76	8,274.9	0.20%	8,274.9	0.20%	6,092.7	0.14%
e781	Access to HPC	10	1.5	0.00%	1.5	0.00%	1,523.2	0.04%
e782	Access to HPC	12	2,143.7	0.05%	3,103.8	0.07%	2,029.1	0.05%
e783	Access to HPC	161	283.4	0.01%	283.4	0.01%	5,556.6	0.13%
EPSRC Total		96,048	2,221,483.2	52.76%	3,262,589.6	77.49%	2,575,621.4	61.17%
n01	Consortia	3,623	62,911.5	1.49%	63,231.6	1.50%	99,836.1	2.37%
n02	Consortia	47,848	305,474.9	7.25%	322,098.1	7.65%	415,655.7	9.87%
n03	Consortia	4,280	101,625.2	2.41%	101,651.0	2.41%	69,672.1	1.65%
n09	Pump Priming	0	0.0	0.00%	0.0	0.00%	659.5	0.02%
NERC Total		55,751	470,011.6	11.16%	486,980.6	11.57%	585,823.4	13.91%
b19	Class1a	2	98.3	0.00%	98.3	0.00%	2,636.5	0.06%

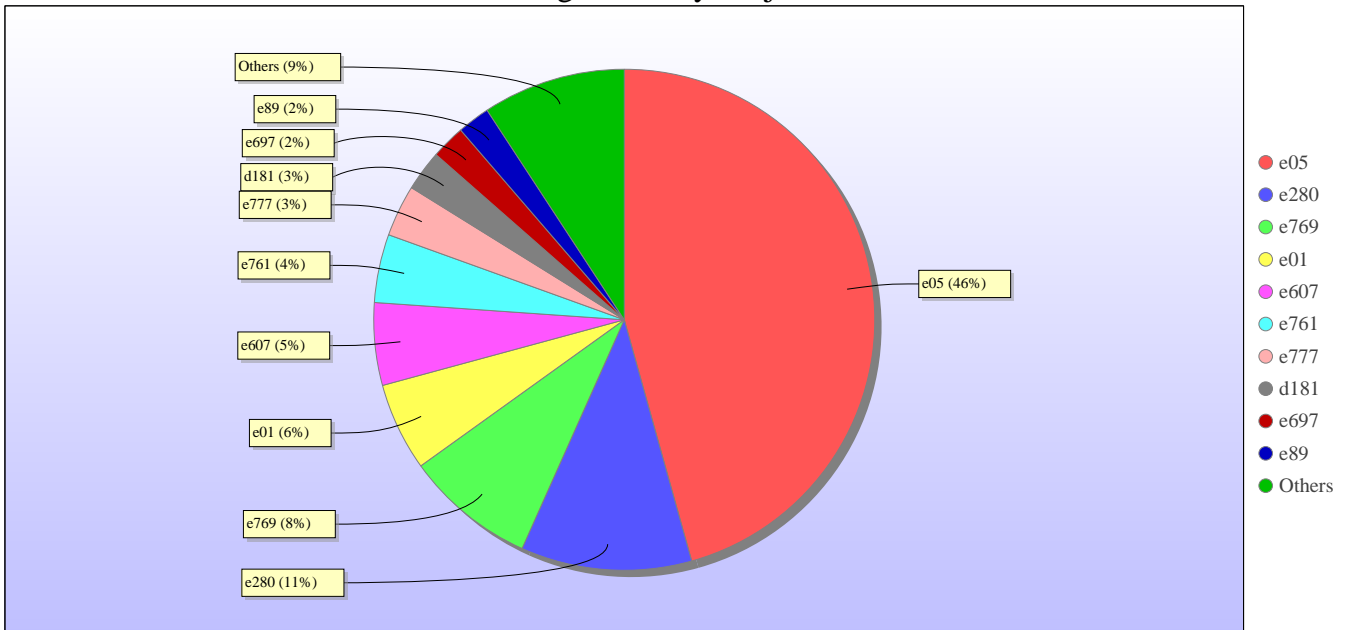
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
BBSRC Total		2	98.3	0.00%	98.3	0.00%	2,636.5	0.06%
e756	Leadership Awards	102	117.3	0.00%	117.3	0.00%	10,016.4	0.24%
e760	Leadership Awards	139	528.1	0.01%	528.7	0.01%	163.1	0.00%
e723	Class1a	1,724	66,093.4	1.57%	67,963.8	1.61%	41,218.2	0.98%
e738	Class1a	59	3.2	0.00%	3.2	0.00%	16,578.4	0.39%
UKRI Total		2,024	66,742.1	1.59%	68,613.0	1.63%	67,976.1	1.61%
pr1u1555	DECI: EXEC	36	677.3	0.02%	677.3	0.02%	270.0	0.01%
pr1ush02	DECI: HOME	59	719.7	0.02%	719.7	0.02%	1,941.4	0.05%
PRACE Total		95	1,397.0	0.03%	1,397.0	0.03%	2,211.4	0.05%
ecseaa26	eCSE	6	2,076.7	0.05%	2,076.7	0.05%	356.7	0.01%
ecseab03	eCSE	0	0.0	0.00%	0.0	0.00%	46.6	0.00%
ecseac14	eCSE	28	3.5	0.00%	3.5	0.00%	63.2	0.00%
ecseac15	eCSE	0	0.0	0.00%	0.0	0.00%	129.7	0.00%
ecsead03	eCSE	0	0.0	0.00%	0.0	0.00%	124.3	0.00%
ecsead08	eCSE	18	296.4	0.01%	3,801.4	0.09%	77.0	0.00%
ecseae03	eCSE	6	0.0	0.00%	0.2	0.00%	69.8	0.00%
ecseae04	eCSE	612	5,005.4	0.12%	5,005.4	0.12%	115.7	0.00%
ecseae08	eCSE	0	0.0	0.00%	0.0	0.00%	115.4	0.00%
ecseae09	eCSE	0	0.0	0.00%	0.0	0.00%	113.0	0.00%
ecseaf01	eCSE	1	0.1	0.00%	0.1	0.00%	101.1	0.00%
ecseaf02	eCSE	0	0.0	0.00%	0.0	0.00%	51.0	0.00%
ecseaf03	eCSE	0	0.0	0.00%	0.0	0.00%	49.1	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	63.0	0.00%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	97.6	0.00%
ecseag01	eCSE	0	0.0	0.00%	0.0	0.00%	66.7	0.00%
ecseag02	eCSE	3	0.1	0.00%	0.1	0.00%	84.3	0.00%
ecseag03	eCSE	71	983.4	0.02%	983.4	0.02%	60.9	0.00%
ecseag06	eCSE	43	3.7	0.00%	3.7	0.00%	41.7	0.00%
ecseag08	eCSE	0	0.0	0.00%	0.0	0.00%	56.5	0.00%
ecseag09	eCSE	0	0.0	0.00%	0.0	0.00%	60.7	0.00%
ecseah03	eCSE	0	0.0	0.00%	0.0	0.00%	116.6	0.00%
ecseah05	eCSE	0	0.0	0.00%	0.0	0.00%	49.1	0.00%
ecseah06	eCSE	0	0.0	0.00%	0.0	0.00%	106.1	0.00%
ecseah10	eCSE	0	0.0	0.00%	0.0	0.00%	10.4	0.00%
ecseah11	eCSE	0	0.0	0.00%	0.0	0.00%	7.1	0.00%
ecseah12	eCSE	0	0.0	0.00%	0.0	0.00%	86.7	0.00%
eCSE Total		788	8,369.2	0.20%	11,874.4	0.28%	2,319.8	0.06%
d35	Research	78	1.0	0.00%	1.1	0.00%	164.4	0.00%
d011	Research	129	6.6	0.00%	6.6	0.00%	170.0	0.00%
d114	Research	0	0.0	0.00%	0.0	0.00%	5,057.7	0.12%
d137	Research	0	0.0	0.00%	0.0	0.00%	1,631.7	0.04%
d142	Research	21	0.2	0.00%	0.2	0.00%	4,934.2	0.12%
d170	Research	0	0.0	0.00%	0.0	0.00%	49.7	0.00%
d175	Research	0	0.0	0.00%	0.0	0.00%	1,368.4	0.03%
d193	Research	0	0.0	0.00%	0.0	0.00%	328.8	0.01%
d435	Research	770	23.3	0.00%	6,280.7	0.15%	82.2	0.00%
d436	Research	47	1.8	0.00%	1.8	0.00%	328.8	0.01%
dc129	Research	339	201.9	0.00%	201.9	0.00%	3,315.7	0.08%
d105	Industrial	0	0.0	0.00%	0.0	0.00%	3,315.7	0.08%
d181	Industrial	140	15,885.4	0.38%	45,275.0	1.08%	1,009.1	0.02%
d190	Industrial	0	0.0	0.00%	0.0	0.00%	1,643.8	0.04%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	82.9	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	15.2	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	265.3	0.01%
i18	Industrial	40	3,059.2	0.07%	3,059.2	0.07%	2,275.3	0.05%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	16,578.4	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	33.2	0.00%
i25	Industrial	0	0.0	0.00%	0.0	0.00%	82.9	0.00%
i26	Industrial	114	607.3	0.01%	607.3	0.01%	414.5	0.01%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	497.4	0.01%
i239	Industrial	39	573.1	0.01%	573.1	0.01%	1,009.5	0.02%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
i241	Industrial	29	5,827.7	0.14%	5,855.8	0.14%	2,272.2	0.05%
i242	Industrial	0	0.0	0.00%	0.0	0.00%	660.8	0.02%
i243	Industrial	19	1,126.7	0.03%	1,126.7	0.03%	233.8	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	1,889.2	0.04%
m22oc	Training	207	26.3	0.00%	75.0	0.00%	379.7	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	379.7	0.01%
m22ext	Training	27	2.8	0.00%	2.8	0.00%	151.9	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	143.9	0.00%
m22exts1	Training	0	0.0	0.00%	0.0	0.00%	75.9	0.00%
ta046	Training	0	0.0	0.00%	0.0	0.00%	30.9	0.00%
ta047	Training	0	0.0	0.00%	0.0	0.00%	30.9	0.00%
ta052	Training	8	6.4	0.00%	6.4	0.00%	494.9	0.01%
ta053	Training	0	0.0	0.00%	0.0	0.00%	32.5	0.00%
ta067	Training	0	0.0	0.00%	0.0	0.00%	18.4	0.00%
ta068	Training	0	0.0	0.00%	0.0	0.00%	18.4	0.00%
ta069	Training	0	0.0	0.00%	0.0	0.00%	18.4	0.00%
ta070	Training	8	13.7	0.00%	13.7	0.00%	590.2	0.01%
ta084	Training	19	26.0	0.00%	26.0	0.00%	739.2	0.02%
ta085	Training	0	0.0	0.00%	0.0	0.00%	37.0	0.00%
ta086	Training	0	0.0	0.00%	0.0	0.00%	18.5	0.00%
ta087	Training	0	0.0	0.00%	0.0	0.00%	18.5	0.00%
ta093	Training	174	0.2	0.00%	7,317.8	0.17%	724.6	0.02%
ta094	Training	3,627	255.2	0.01%	2,215.1	0.05%	2,469.3	0.06%
ta095	Training	0	0.0	0.00%	0.0	0.00%	61.7	0.00%
ta096	Training	27	0.6	0.00%	0.6	0.00%	61.7	0.00%
ta097	Training	0	0.0	0.00%	0.0	0.00%	61.7	0.00%
ta100	Training	3	0.4	0.00%	0.4	0.00%	44.7	0.00%
ta101	Training	0	0.0	0.00%	0.0	0.00%	98.0	0.00%
ta102	Training	114	0.0	0.00%	13,418.2	0.32%	561.7	0.01%
ta103	Training	0	0.0	0.00%	0.0	0.00%	68.9	0.00%
ta104	Training	23	0.0	0.00%	0.0	0.00%	143.0	0.00%
ta105	Training	16	0.6	0.00%	0.6	0.00%	60.8	0.00%
ta106	Training	395	4.0	0.00%	4.0	0.00%	121.7	0.00%
ta107	Training	0	0.0	0.00%	0.0	0.00%	146.2	0.00%
ta108	Training	0	0.0	0.00%	0.0	0.00%	123.9	0.00%
d191	Service	0	0.0	0.00%	0.0	0.00%	4.1	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	72.4	0.00%
y02	Service	35	0.9	0.00%	0.9	0.00%	821.9	0.02%
y07	Service	0	0.0	0.00%	0.0	0.00%	80.2	0.00%
y23	Service	0	0.0	0.00%	0.0	0.00%	82.2	0.00%
z01	Service	0	0.0	0.00%	0.0	0.00%	8.0	0.00%
z02	Service	3	0.1	0.00%	0.1	0.00%	8.2	0.00%
z19	Service	741	21,251.5	0.50%	19,280.1	0.46%	40,983.6	0.97%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
DirectorsTime Total		7,192	48,903.0	1.16%	105,351.3	2.50%	99,699.3	2.37%
Total		161,900	2,817,004.3	66.90%	3,936,904.1	93.50%	3,336,288.0	79.24%

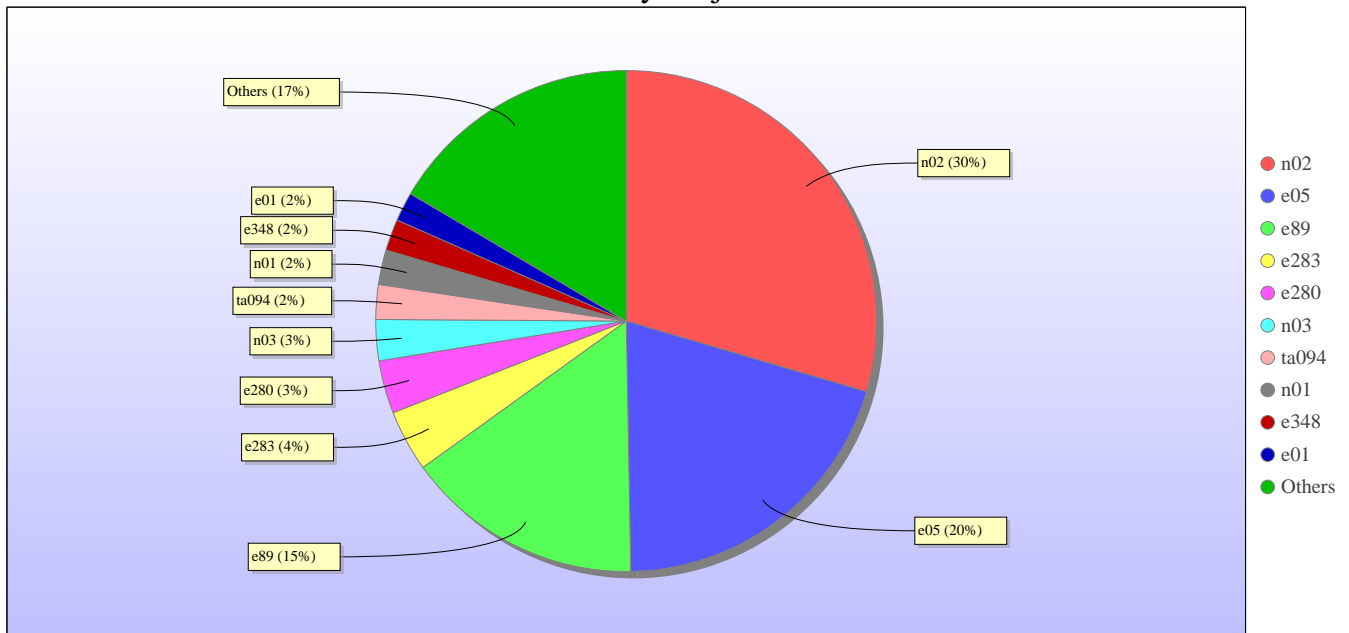
Use by Project



Uncharged Use by Project



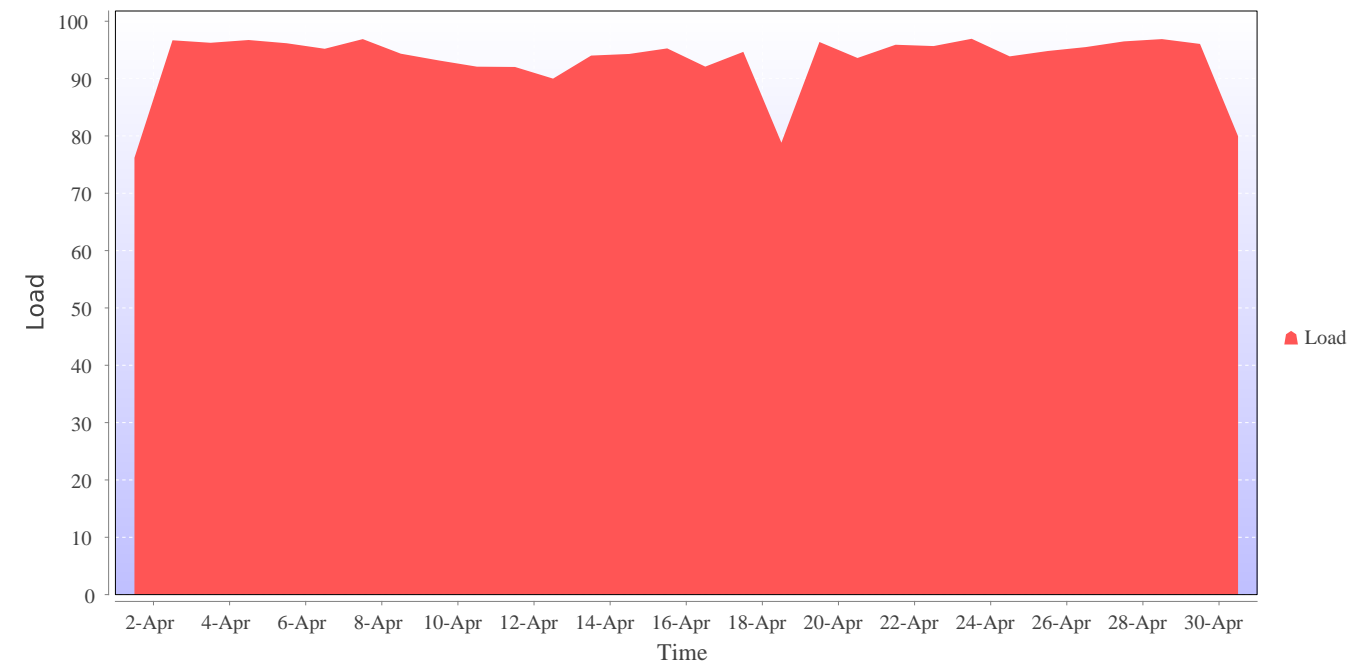
Jobs by Project



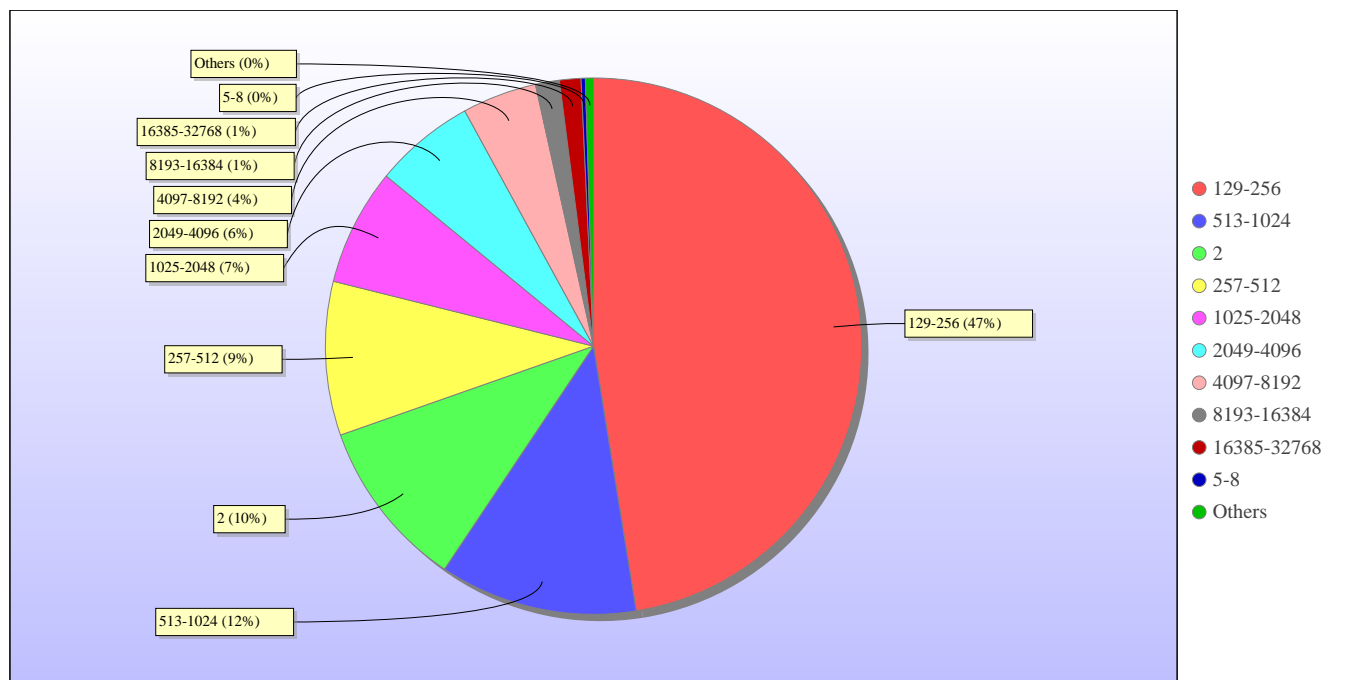
CUs (by Size)

Size	CUs	Number of Jobs
1	0	3
2	0	16,587
3-4	0	59
5-8	0	415
9-16	0	23
17-32	0	135
129-256	173,645.674	76,826
257-512	129,713.452	15,007
513-1024	271,697.758	19,308
1025-2048	390,544.219	11,405
2049-4096	418,077.277	9,863
4097-8192	613,059.893	7,274
8193-16384	353,456.928	2,335
16385-32768	260,584.937	2,093
32769-65536	60,420.2	315
65537-131072	91,660.025	155
131073-262144	50,960.39	94
524289-1048576	3,183.502	2

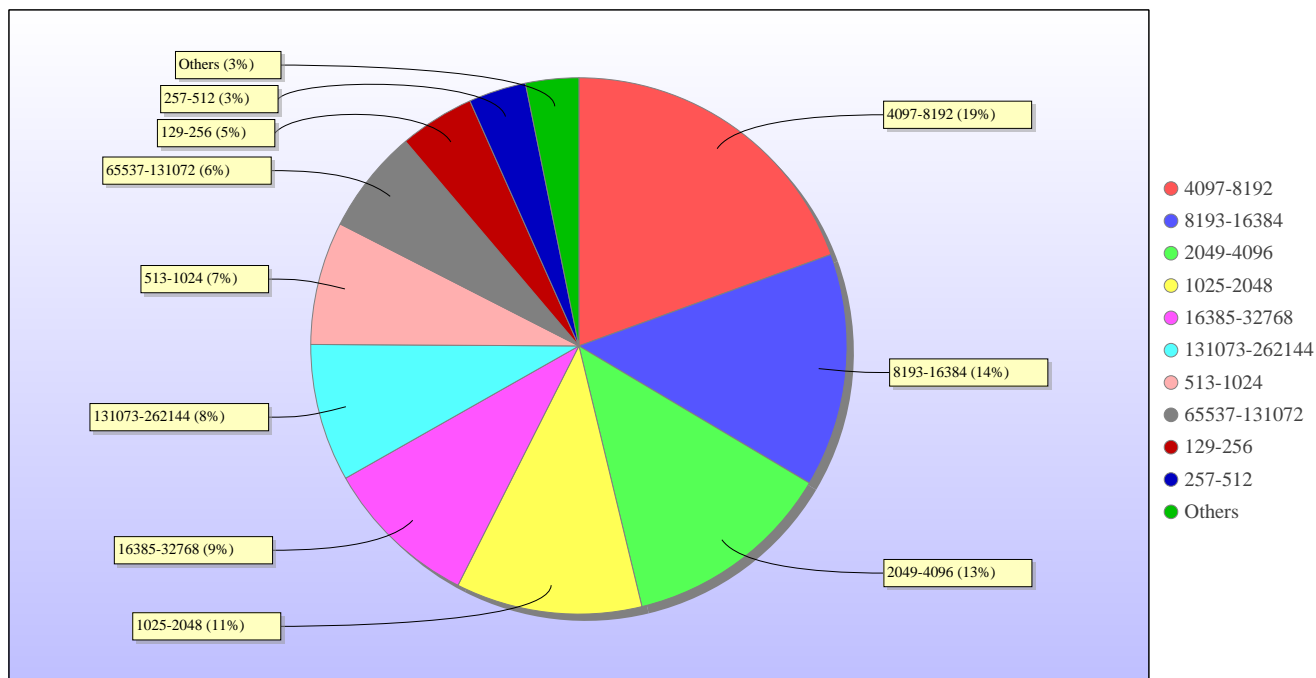
Load plots



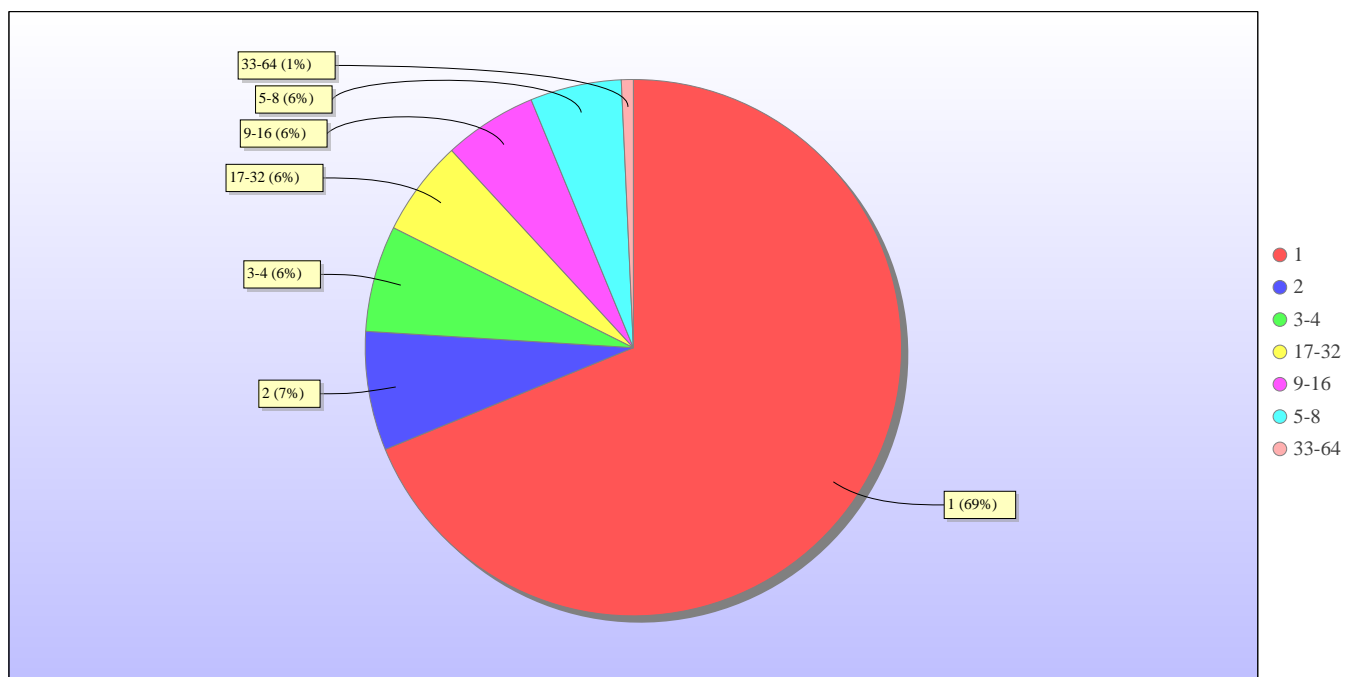
Percentage load on machine



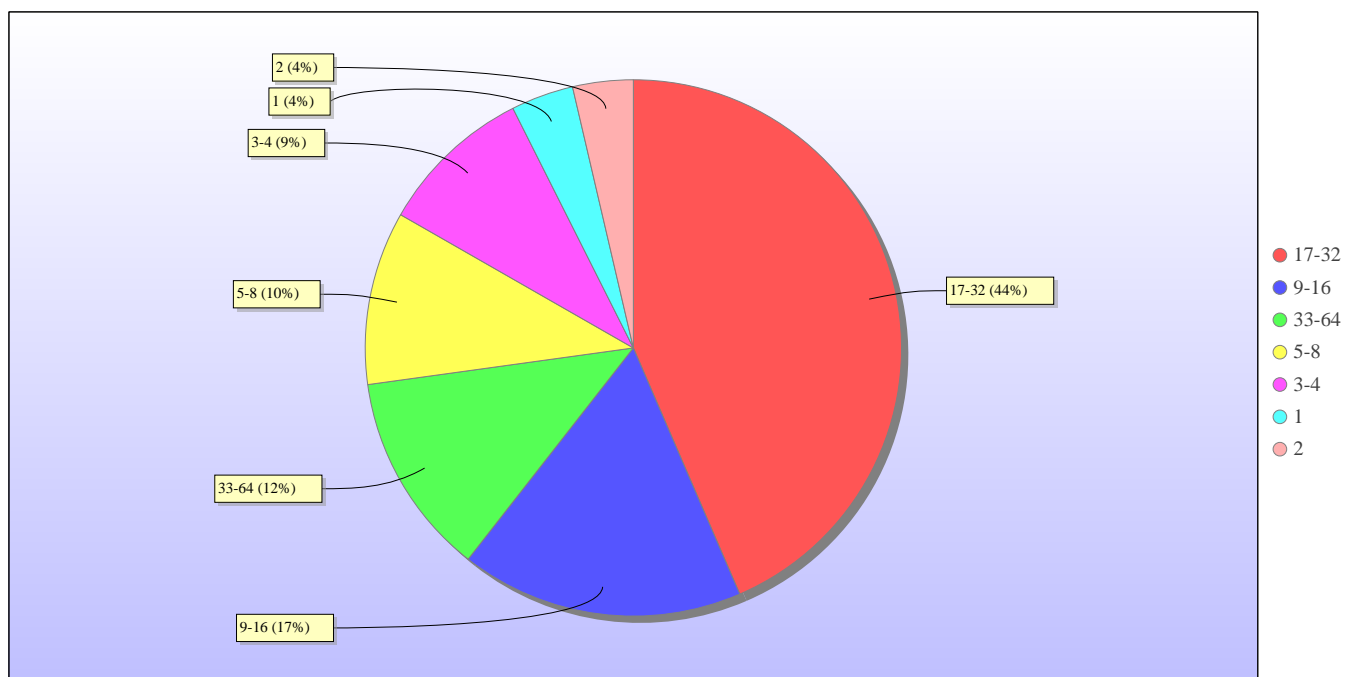
Jobs by Size



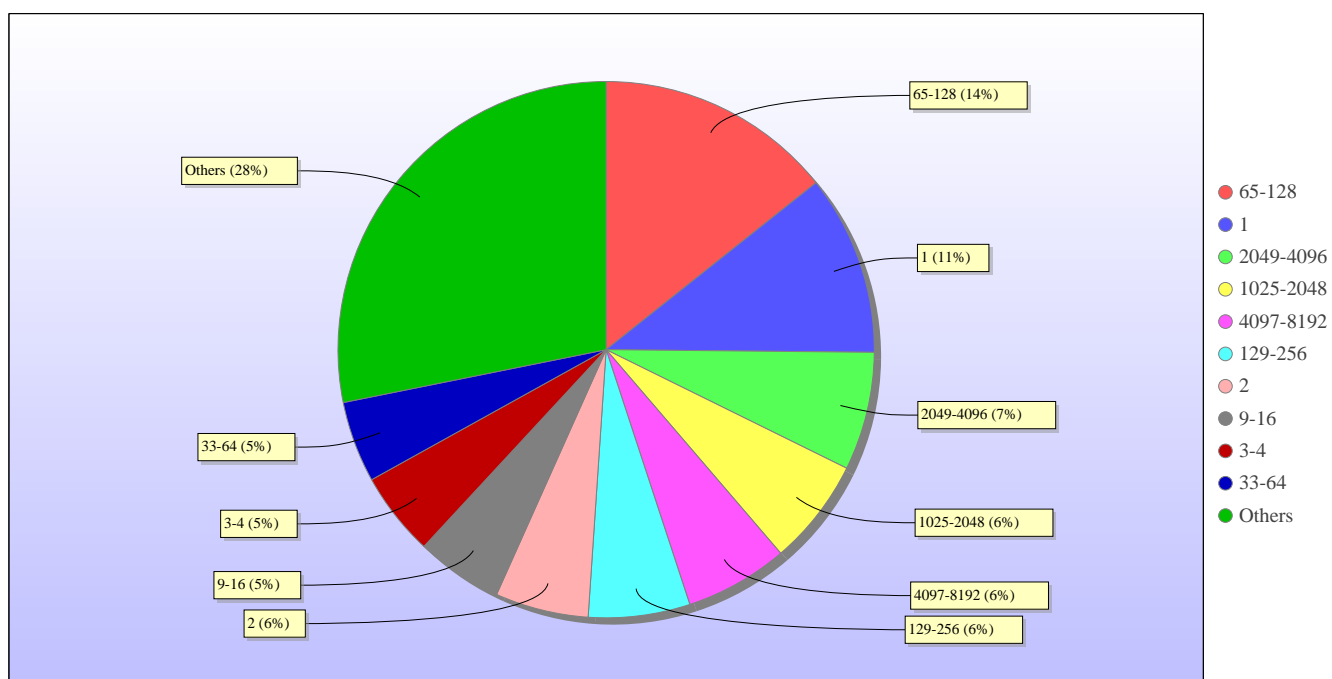
CUs used by Size



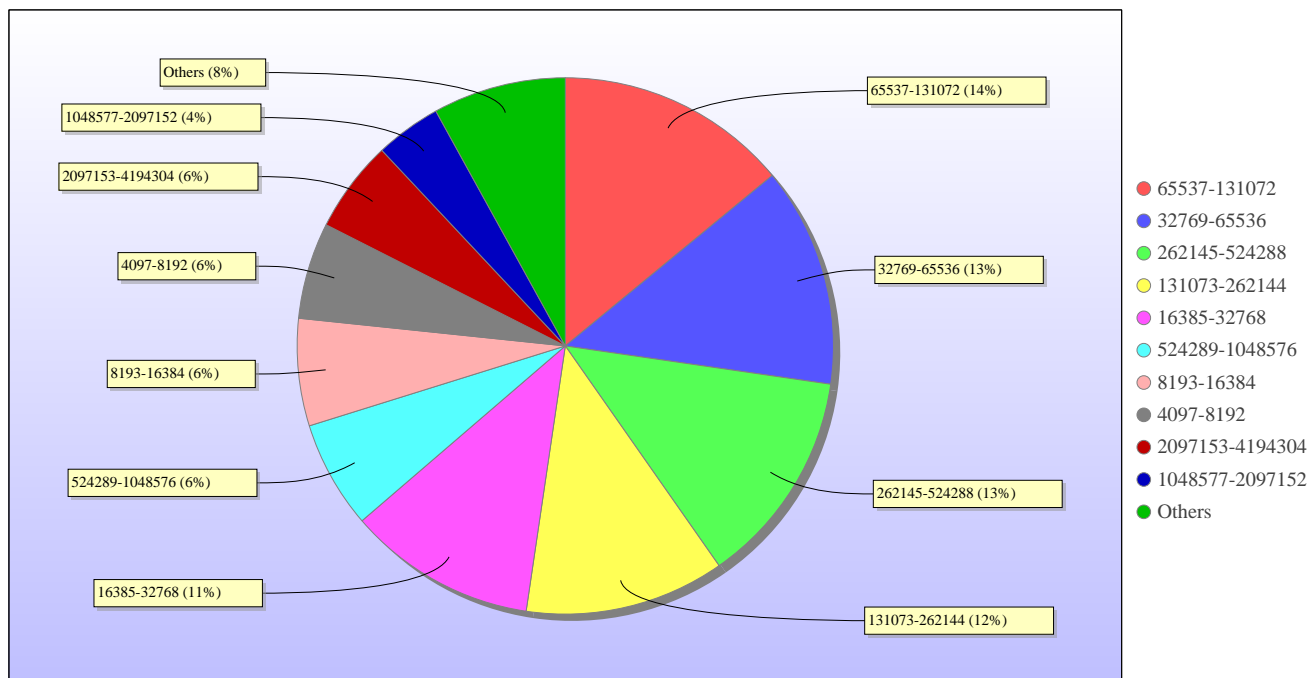
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

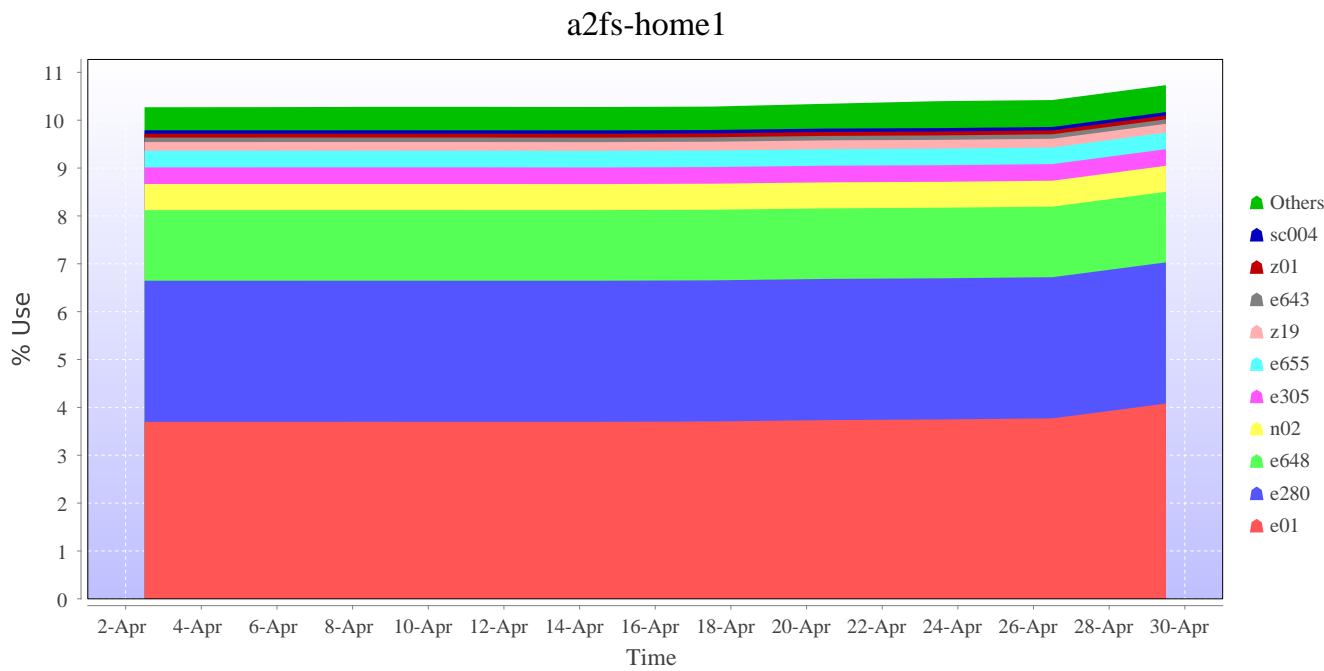


CUs used grouped by core-hours

Disk usage

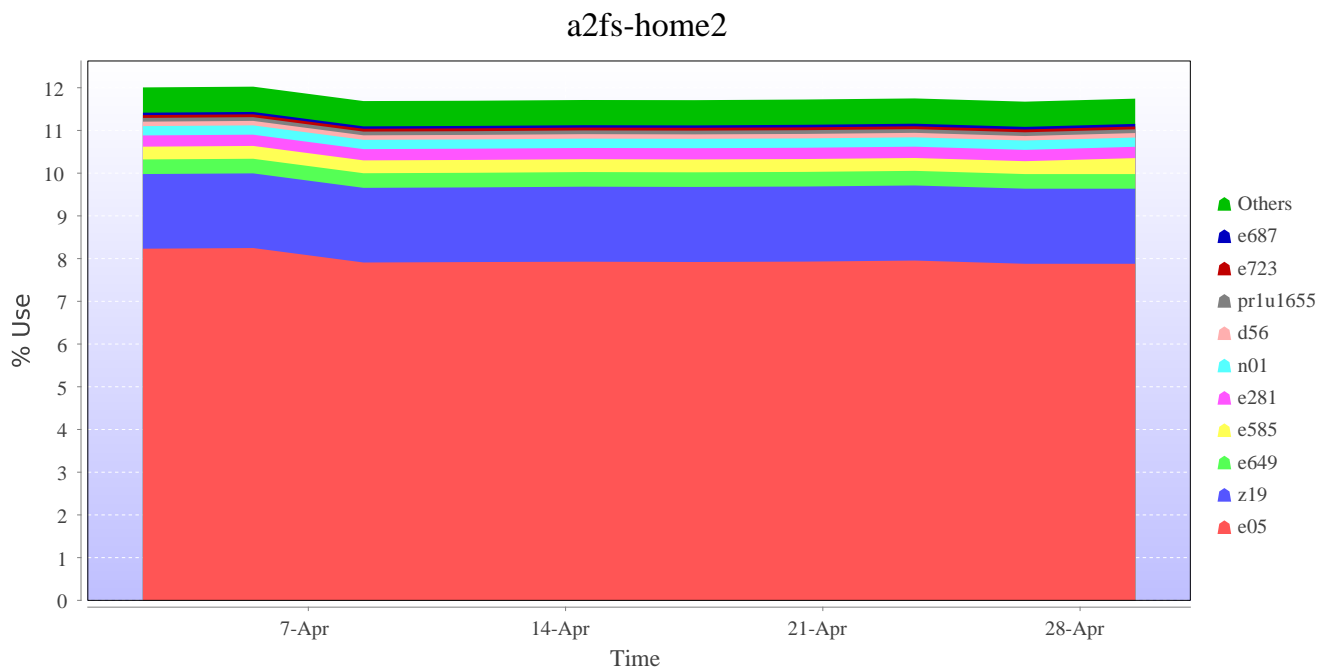
Disk usage for home (a2fs-home1)

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.



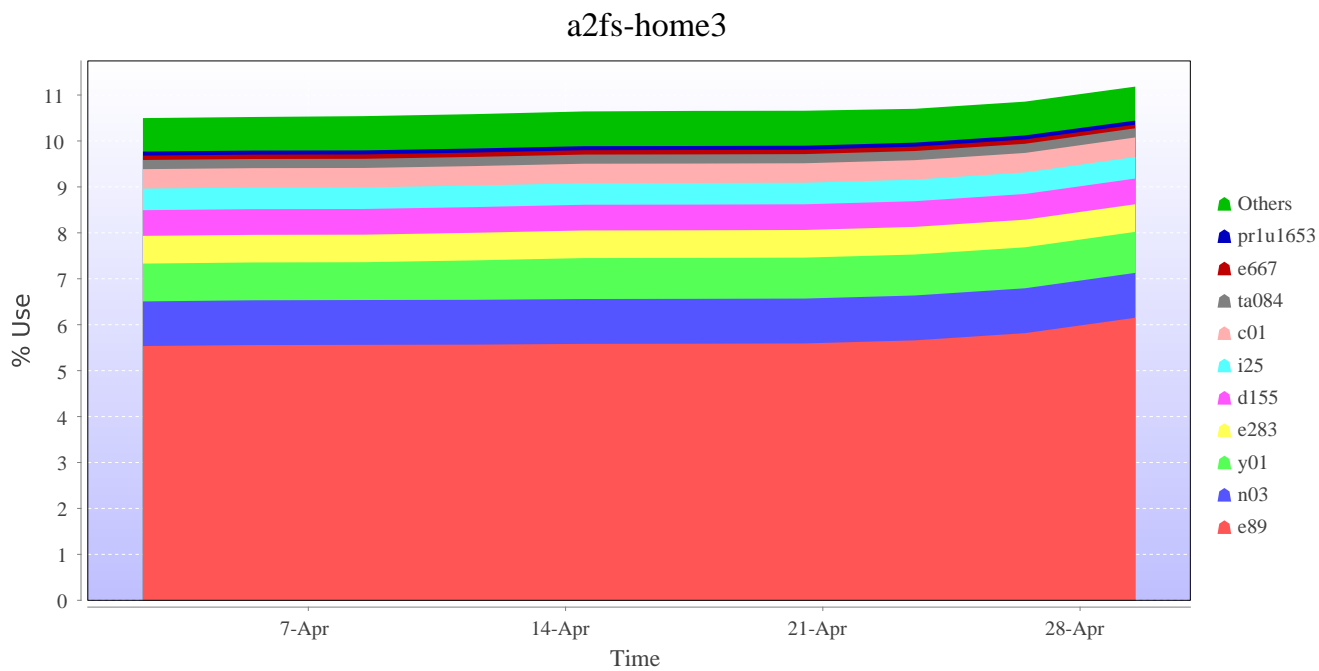
Disk usage for home (a2fs-home2)

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.



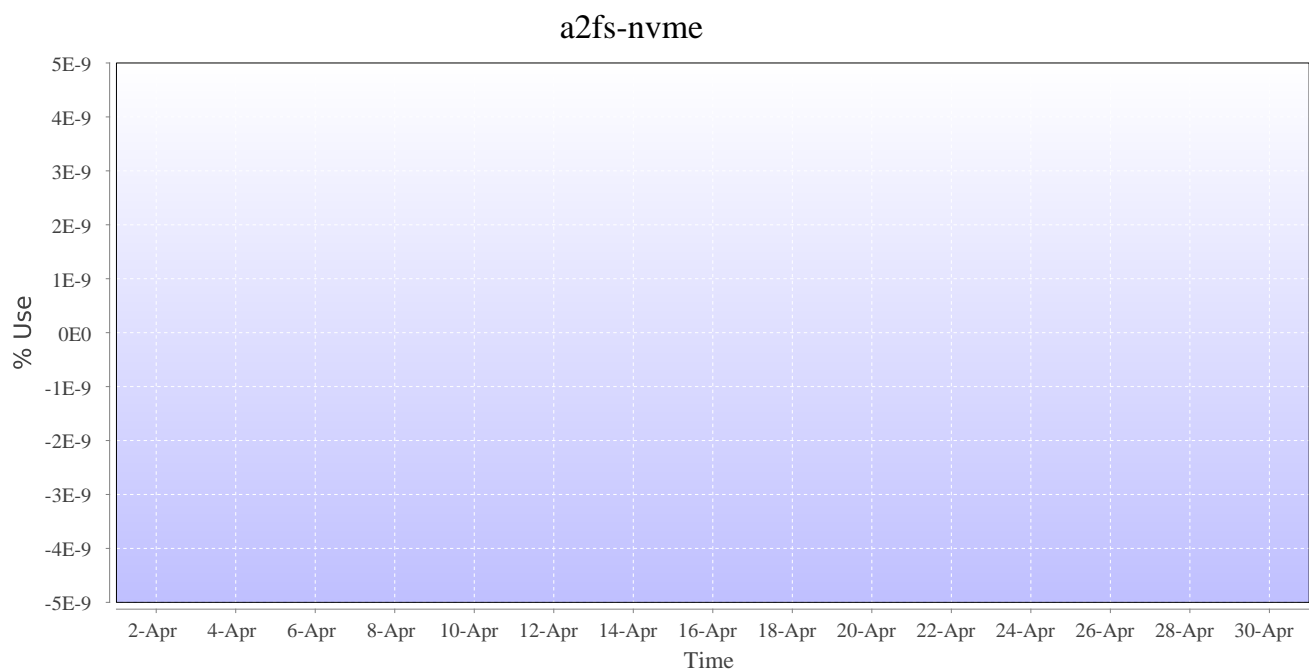
Disk usage for home (a2fs-home3)

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.



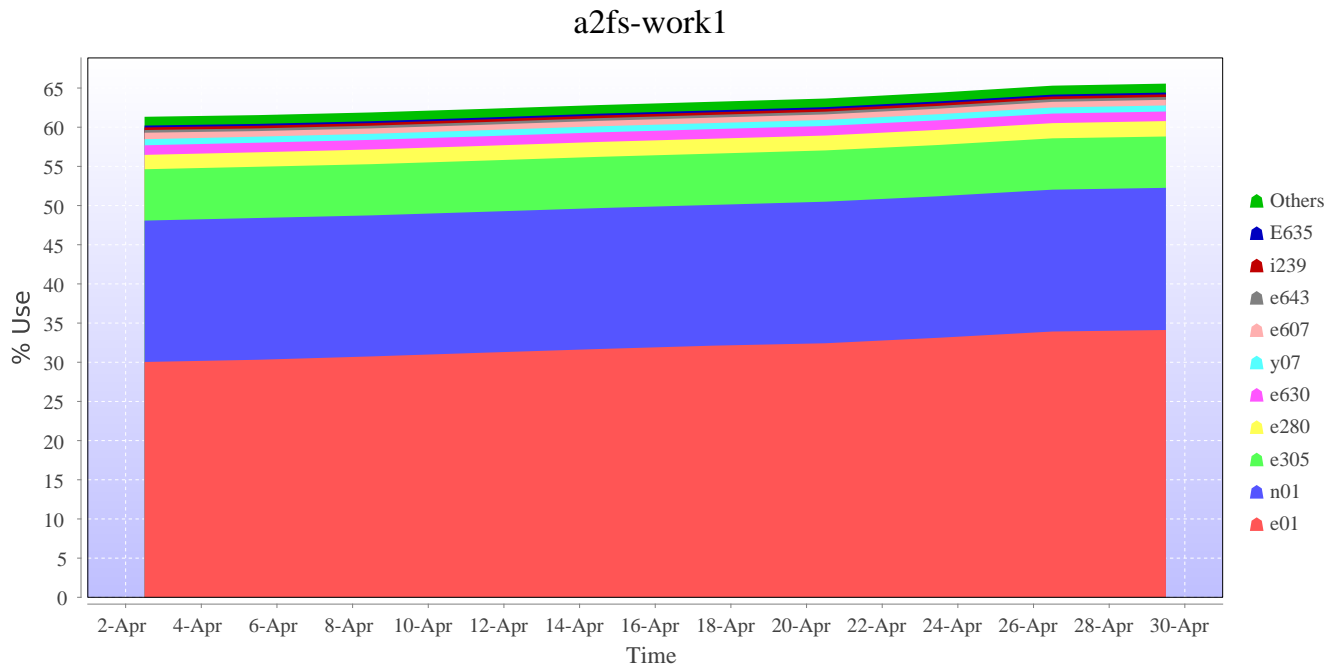
Disk usage for work-nVME (a2fs-nvme)

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.



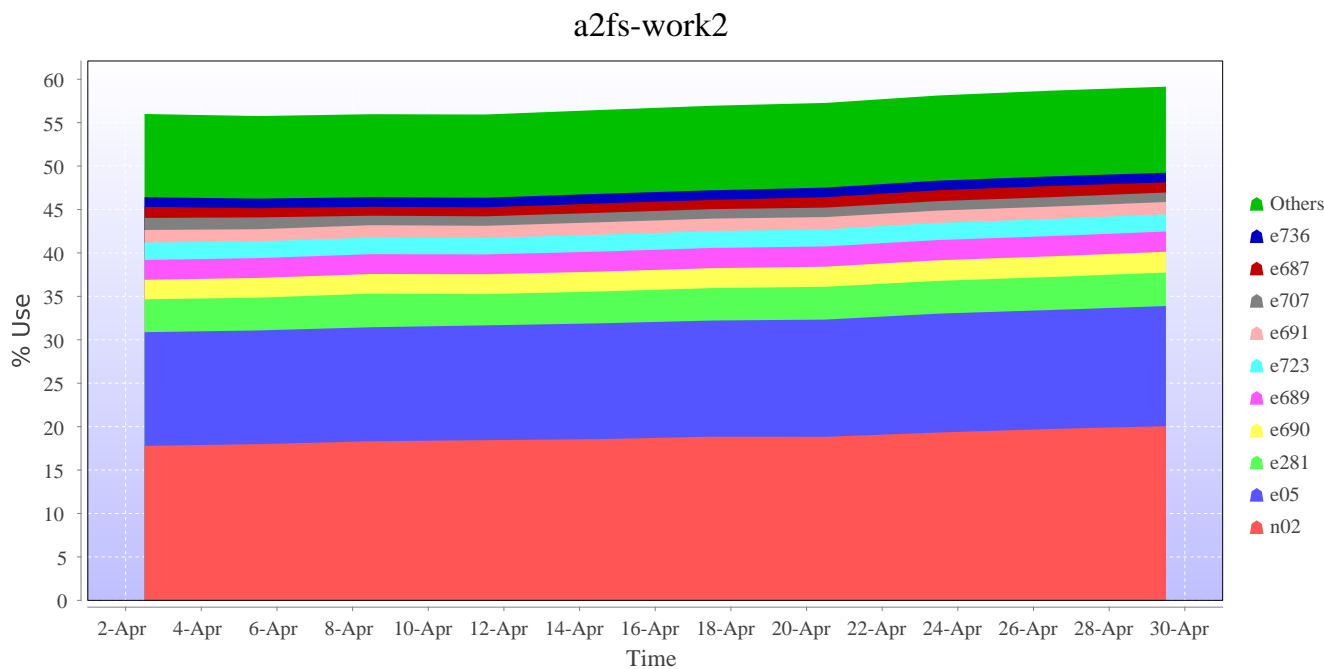
Disk usage for work (a2fs-work1)

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.



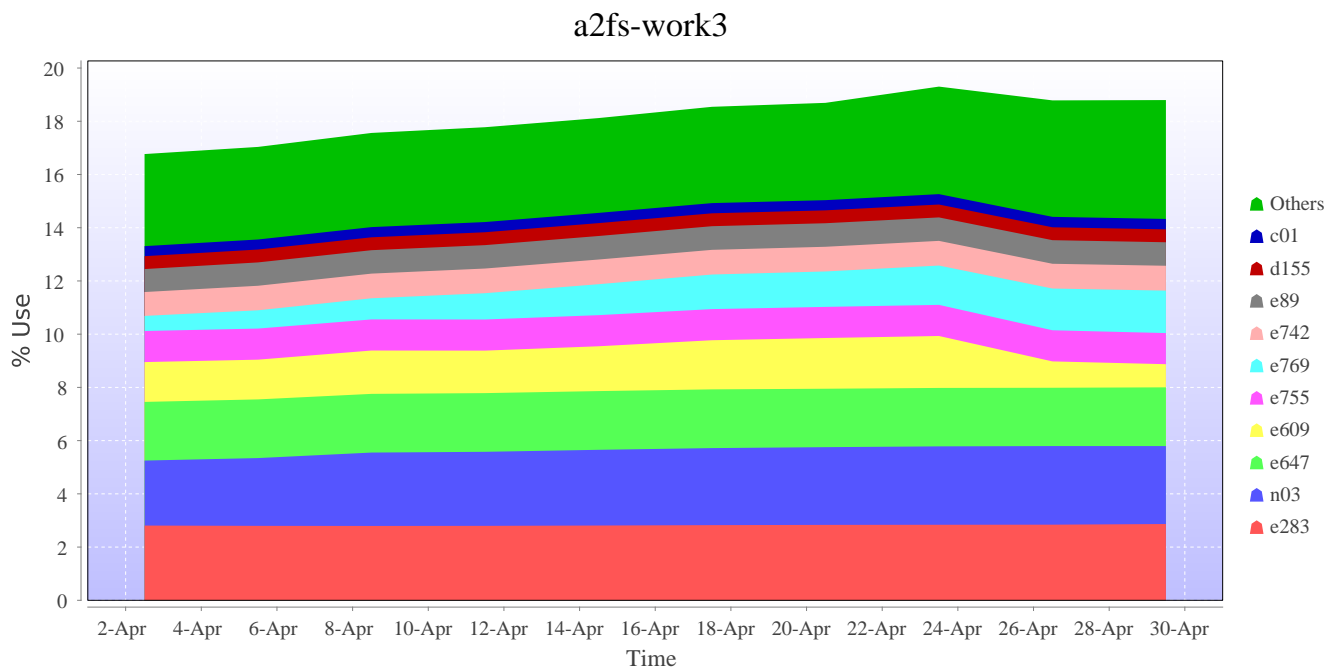
Disk usage for work (a2fs-work2)

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.



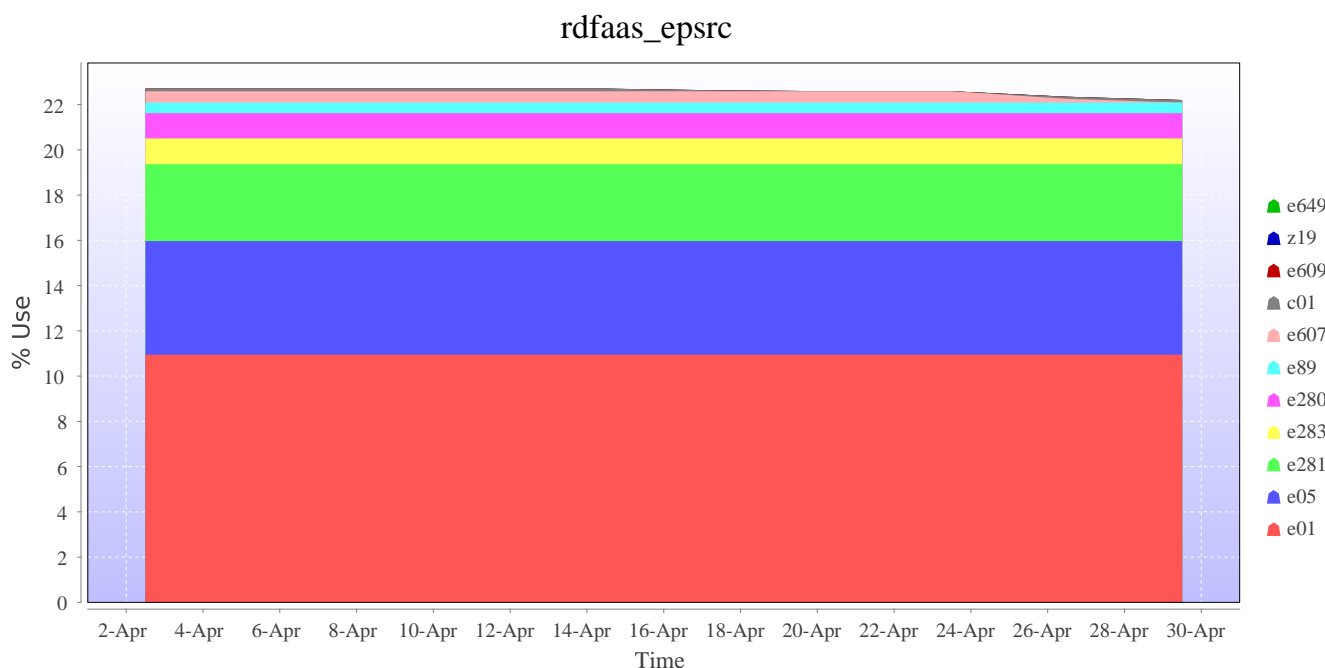
Disk usage for work (a2fs-work3)

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 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.

