

Monthly Reporting

Report from 01 April 2021 to 30 June 2021

Report for Resource Pool Archer2 on archer2-4c

A total of 2,236,416 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.

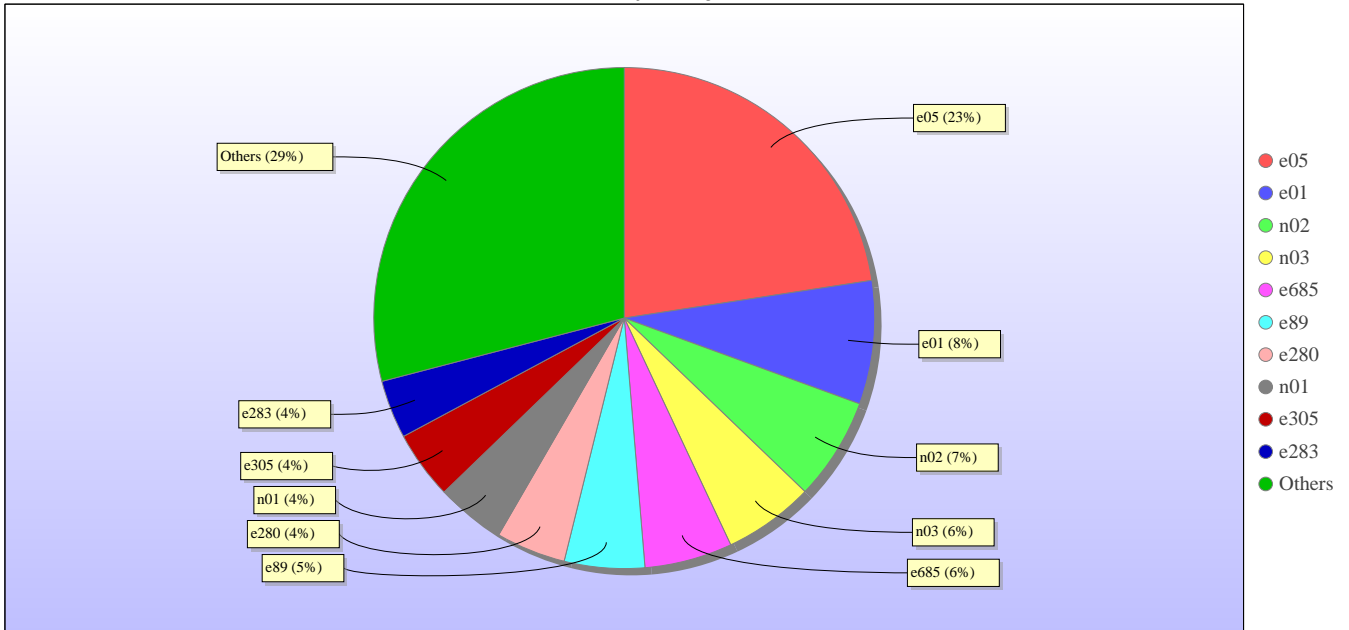
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e691	Leadership Awards	0	0.0	0.00%	0.0	0.00%	74.6	0.00%
e692	Leadership Awards	0	0.0	0.00%	0.0	0.00%	74.6	0.00%
e693	Leadership Awards	0	0.0	0.00%	0.0	0.00%	74.6	0.00%
e683	Pioneer Projects	3,742	26,486.1	1.18%	26,678.1	1.19%	27,527.5	1.23%
e685	Pioneer Projects	668	104,759.6	4.68%	104,759.6	4.68%	91,745.9	4.10%
e686	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e687	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	74.6	0.00%
e688	Pioneer Projects	19	0.0	0.00%	0.0	0.00%	74.6	0.00%
e689	Pioneer Projects	35	0.2	0.00%	0.2	0.00%	74.6	0.00%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	74.6	0.00%
E635	Class1a	1,947	5,310.3	0.24%	5,310.3	0.24%	10,023.7	0.45%
c01	Class1a	4,236	34,730.0	1.55%	34,739.0	1.55%	34,475.0	1.54%
e432	Class1a	147	1,621.9	0.07%	1,621.9	0.07%	15,325.5	0.69%
e448	Class1a	102	4,756.4	0.21%	4,756.4	0.21%	2,600.0	0.12%
e480	Class1a	0	0.0	0.00%	0.0	0.00%	40.0	0.00%
e537	Class1a	0	0.0	0.00%	0.0	0.00%	3,656.9	0.16%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	6,340.9	0.28%
e575	Class1a	1,075	3,954.5	0.18%	3,954.5	0.18%	2,983.6	0.13%
e584	Class1a	11	185.9	0.01%	185.9	0.01%	3,175.0	0.14%
e588	Class1a	0	0.0	0.00%	0.0	0.00%	11,866.8	0.53%
e606	Class1a	205	169.8	0.01%	169.8	0.01%	22,111.3	0.99%
e607	Class1a	1,036	24,552.7	1.10%	24,552.7	1.10%	31,169.5	1.39%
e608	Class1a	149	2,365.9	0.11%	2,365.9	0.11%	9,444.3	0.42%
e609	Class1a	1,325	841.7	0.04%	841.7	0.04%	9,514.9	0.43%
e610	Class1a	269	7,152.2	0.32%	7,152.2	0.32%	6,860.1	0.31%
e613	Class1a	40	3,951.9	0.18%	3,951.9	0.18%	4,016.7	0.18%
e627	Class1a	502	7,174.2	0.32%	7,174.2	0.32%	24,863.4	1.11%
e630	Class1a	182	39,307.1	1.76%	42,198.4	1.89%	37,770.6	1.69%
e637	Class1a	91	1,161.7	0.05%	1,161.7	0.05%	11,288.3	0.50%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	27,797.0	1.24%
e643	Class1a	2,135	1,217.6	0.05%	1,217.6	0.05%	27,291.7	1.22%
e645	Class1a	0	0.0	0.00%	0.0	0.00%	7,899.7	0.35%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e647	Class1a	4,089	26,085.7	1.17%	26,085.7	1.17%	28,544.7	1.28%
e648	Class1a	217	9,317.4	0.42%	9,317.4	0.42%	16,468.7	0.74%
e649	Class1a	192	13,368.7	0.60%	13,368.7	0.60%	28,193.8	1.26%
e651	Class1a	580	7,851.0	0.35%	7,851.0	0.35%	7,850.5	0.35%
e655	Class1a	539	13,830.7	0.62%	13,830.7	0.62%	9,381.6	0.42%
e663	Class1a	408	5,199.3	0.23%	5,199.3	0.23%	10,728.3	0.48%
e667	Class1a	256	6,729.3	0.30%	6,801.1	0.30%	8,858.7	0.40%
e668	Class1a	101	1,169.2	0.05%	1,169.2	0.05%	5,643.1	0.25%
e681	Class1a	488	19.5	0.00%	19.5	0.00%	1,746.9	0.08%
e682	Class1a	165	54.0	0.00%	54.0	0.00%	7,204.5	0.32%
e684	Class1a	242	343.3	0.02%	343.3	0.02%	3,074.2	0.14%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	5,564.1	0.25%
e696	Class1a	62	508.1	0.02%	508.1	0.02%	220.0	0.01%
e697	Class1a	22	245.2	0.01%	245.2	0.01%	8,615.9	0.39%
e700	Class1a	19	312.1	0.01%	312.1	0.01%	871.1	0.04%
e701	Class1a	209	5,719.2	0.26%	5,719.2	0.26%	4,207.8	0.19%
e702	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e707	Class1a	0	0.0	0.00%	0.0	0.00%	5,856.9	0.26%
e6337	Class1a	133	6,090.3	0.27%	6,474.4	0.29%	9,990.0	0.45%
e01	Consortia	7,297	141,954.3	6.35%	147,323.5	6.59%	265,700.0	11.88%
e05	Consortia	30,701	399,119.7	17.85%	417,690.9	18.68%	568,068.4	25.40%
e89	Consortia	12,389	95,770.5	4.28%	95,770.9	4.28%	222,283.8	9.94%
e280	Consortia	2,821	82,249.5	3.68%	83,161.1	3.72%	208,444.3	9.32%
e281	Consortia	1,104	64,935.4	2.90%	65,175.9	2.91%	76,785.5	3.43%
e283	Consortia	5,465	69,496.0	3.11%	69,554.7	3.11%	53,393.5	2.39%
e305	Consortia	2,736	81,150.3	3.63%	81,199.9	3.63%	112,105.5	5.01%
e585	Consortia	4,231	46,109.1	2.06%	46,109.1	2.06%	65,619.9	2.93%
e658	Consortia	236	10,072.9	0.45%	10,072.9	0.45%	10,000.0	0.45%
e695	Pump Priming	66	528.6	0.02%	528.6	0.02%	377.3	0.02%
e698	Pump Priming	0	0.0	0.00%	0.0	0.00%	265.2	0.01%
e699	Pump Priming	0	0.0	0.00%	0.0	0.00%	298.3	0.01%
e703	Pump Priming	373	938.0	0.04%	938.0	0.04%	131.1	0.01%
e704	Pump Priming	0	0.0	0.00%	0.0	0.00%	159.1	0.01%
e348	Direct Access: ARCHER RAP	2,671	14,022.4	0.63%	14,022.4	0.63%	8,992.7	0.40%
e507	Direct Access: ARCHER RAP	59	7,245.5	0.32%	7,245.5	0.32%	6,617.2	0.30%
e566	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	40.0	0.00%
e664	Direct Access: ARCHER RAP	2	0.1	0.00%	0.1	0.00%	5,912.9	0.26%
e672	Direct Access: ARCHER RAP	461	1,542.4	0.07%	1,566.4	0.07%	6,733.6	0.30%
e676	Direct Access: ARCHER RAP	201	3,604.6	0.16%	3,648.2	0.16%	16,802.3	0.75%
e677	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	19,191.5	0.86%
e632	Instant Access	313	3,435.2	0.15%	3,435.2	0.15%	14,293.1	0.64%
e669	Instant Access	117	814.8	0.04%	814.8	0.04%	237.9	0.01%
e670	Instant Access	0	0.0	0.00%	0.0	0.00%	791.8	0.04%
e671	Instant Access	0	0.0	0.00%	0.0	0.00%	756.1	0.03%
ecseaa12	eCSE	229	170.7	0.01%	170.7	0.01%	199.5	0.01%
ta017	Training	13	0.4	0.00%	0.4	0.00%	100.0	0.00%
ta019	Training	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
ta020	Training	11	0.0	0.00%	0.0	0.00%	100.0	0.00%
ta021	Training	0	0.0	0.00%	0.0	0.00%	187.6	0.01%
ta022	Training	0	0.0	0.00%	0.0	0.00%	517.6	0.02%
ta023	Training	0	0.0	0.00%	0.0	0.00%	831.1	0.04%
ta024	Training	250	35.3	0.00%	35.3	0.00%	1,000.0	0.04%
ta025	Training	496	200.9	0.01%	200.9	0.01%	1,000.0	0.04%
ta026	Training	0	0.0	0.00%	0.0	0.00%	125.0	0.01%
ta027	Training	40	0.0	0.00%	0.0	0.00%	167.1	0.01%
ta028	Training	138	0.5	0.00%	0.5	0.00%	936.2	0.04%
ta030	Training	0	0.0	0.00%	0.0	0.00%	136.4	0.01%

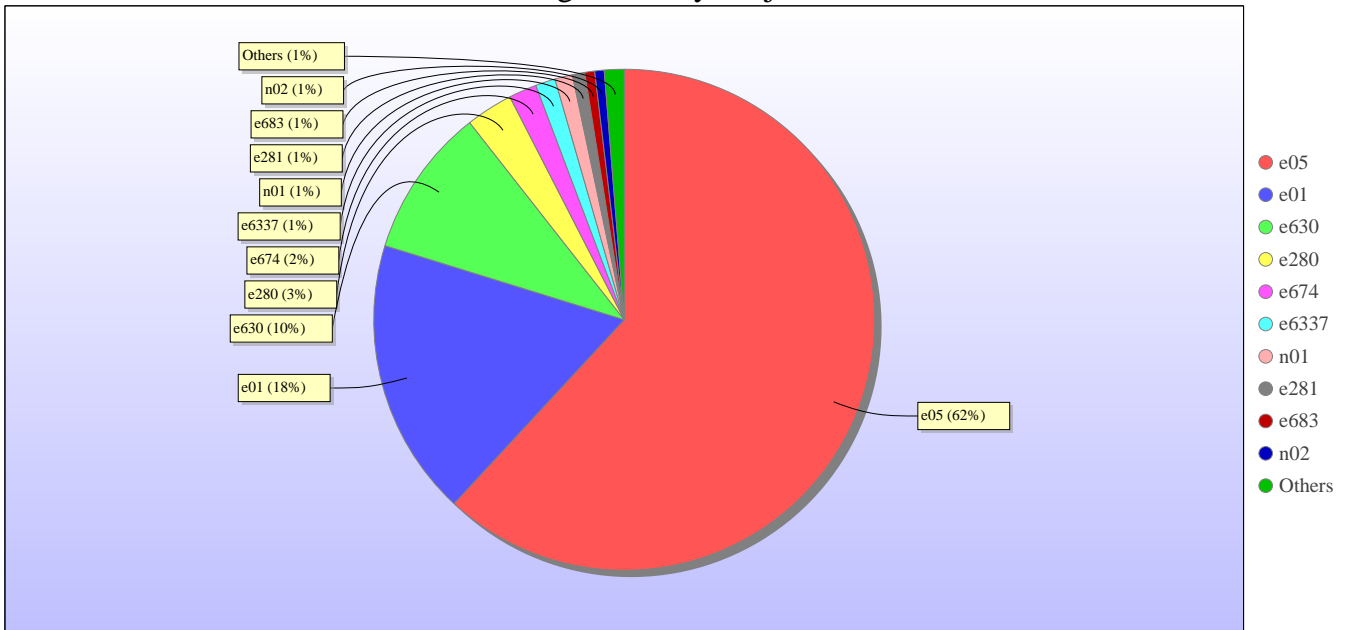
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
ta031	Training	0	0.0	0.00%	0.0	0.00%	136.4	0.01%
ta032	Training	0	0.0	0.00%	0.0	0.00%	130.4	0.01%
ta033	Training	0	0.0	0.00%	0.0	0.00%	136.4	0.01%
ec110	Tier2 RAP	0	0.0	0.00%	0.0	0.00%	219.7	0.01%
e596	Access to HPC	12	3.9	0.00%	3.9	0.00%	3,308.6	0.15%
e673	Access to HPC	97	353.4	0.02%	353.4	0.02%	13,234.4	0.59%
e674	Access to HPC	269	4,697.5	0.21%	5,238.9	0.23%	6,443.5	0.29%
e675	Access to HPC	1,437	4,353.3	0.19%	4,353.3	0.19%	34,938.7	1.56%
e678	Access to HPC	779	3,714.2	0.17%	3,714.2	0.17%	2,382.2	0.11%
e679	Access to HPC	34	704.4	0.03%	704.4	0.03%	9,528.7	0.43%
e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	9,925.8	0.44%
EPSRC Total		100,686	1,403,766.3	62.77%	1,433,124.8	64.08%	2,343,217.2	104.78%
n01	Consortia	16,142	81,349.6	3.64%	81,690.6	3.65%	452,008.2	20.21%
n02	Consortia	39,200	122,080.5	5.46%	122,262.1	5.47%	1,289,457.5	57.66%
n03	Consortia	8,095	107,808.7	4.82%	107,880.3	4.82%	329,843.8	14.75%
NERC Total		63,437	311,238.8	13.92%	311,832.9	13.94%	2,071,309.6	92.62%
e621	Class1a	115	7,781.4	0.35%	7,781.4	0.35%	11,565.5	0.52%
e568	Research	0	0.0	0.00%	0.0	0.00%	53.5	0.00%
BBSRC Total		115	7,781.4	0.35%	7,781.4	0.35%	11,619.1	0.52%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	54.2	0.00%
pr1u1552	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	54.5	0.00%
pr1u1651	DECI: EXEC	18	2,013.7	0.09%	2,013.7	0.09%	2,351.9	0.11%
pr1u1652	DECI: EXEC	99	9,330.1	0.42%	9,330.1	0.42%	7,573.9	0.34%
pr1u1653	DECI: EXEC	143	18,961.0	0.85%	18,961.0	0.85%	7,882.8	0.35%
pr1u1654	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,613.3	0.07%
pr1u1655	DECI: EXEC	2,225	10,014.6	0.45%	10,014.6	0.45%	12,427.9	0.56%
pr1u1656	DECI: EXEC	1,794	9,434.8	0.42%	9,434.8	0.42%	12,539.8	0.56%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	1,495.7	0.07%
pr1u1658	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	6,569.5	0.29%
pr1u1659	DECI: EXEC	1,173	13,630.3	0.61%	13,630.3	0.61%	4,643.2	0.21%
pr1u1751	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	52.3	0.00%
pr1u1752	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	62.2	0.00%
pr1u1753	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	73.9	0.00%
pr1u1754	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	85.5	0.00%
pr1u1755	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	55.9	0.00%
pr1u1756	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	131.9	0.01%
pr1u1757	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	29.6	0.00%
pr1u1758	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	23.1	0.00%
pr1u1759	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	49.7	0.00%
pr1u1760	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	18.6	0.00%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
pr1u1601	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1602	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1603	DECI: HOME	6	168.3	0.01%	168.3	0.01%	0.3	0.00%
pr1u1604	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1605	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1606	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1607	DECI: HOME	0	0.0	0.00%	0.0	0.00%	54.5	0.00%
pr1u1608	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1609	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1610	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1611	DECI: HOME	30	414.5	0.02%	414.5	0.02%	244.5	0.01%
pr1u1702	DECI: HOME	0	0.0	0.00%	0.0	0.00%	54.9	0.00%
pr1u1707	DECI: HOME	0	0.0	0.00%	0.0	0.00%	47.6	0.00%
pr1ush01	DECI: HOME	0	0.0	0.00%	0.0	0.00%	295.9	0.01%
pr1ushpc	DECI: HOME	0	0.0	0.00%	0.0	0.00%	24.1	0.00%
PRACE Total		5,488	63,967.3	2.86%	63,967.3	2.86%	58,514.4	2.62%
ecseaa20	eCSE	0	0.0	0.00%	0.0	0.00%	105.0	0.00%
ecseaa21	eCSE	0	0.0	0.00%	0.0	0.00%	201.2	0.01%
ecseaa26	eCSE	46	2.3	0.00%	2.3	0.00%	109.2	0.00%
ecseaa28	eCSE	28	66.8	0.00%	66.8	0.00%	235.3	0.01%
ecseab02	eCSE	0	0.0	0.00%	0.0	0.00%	48.0	0.00%
ecseab04	eCSE	0	0.0	0.00%	0.0	0.00%	51.2	0.00%

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ecseab06	eCSE	12	1.9	0.00%	1.9	0.00%	49.6	0.00%
ecseab11	eCSE	107	13.3	0.00%	13.3	0.00%	44.2	0.00%
ecseab12	eCSE	3	0.0	0.00%	0.0	0.00%	184.9	0.01%
ecseab13	eCSE	380	23.6	0.00%	23.8	0.00%	145.2	0.01%
ecseac02	eCSE	0	0.0	0.00%	0.0	0.00%	16.5	0.00%
ecseac04	eCSE	0	0.0	0.00%	0.0	0.00%	6.5	0.00%
eCSE Total		576	108.0	0.00%	108.2	0.00%	1,197.0	0.05%
d35	Research	7	0.0	0.00%	0.0	0.00%	100.0	0.00%
d56	Research	570	2,183.6	0.10%	2,183.7	0.10%	7,000.0	0.31%
d114	Research	0	0.0	0.00%	0.0	0.00%	10,000.0	0.45%
d118	Research	44	152.5	0.01%	152.5	0.01%	1,866.7	0.08%
d137	Research	214	4,686.0	0.21%	4,686.0	0.21%	4,950.0	0.22%
d142	Research	148	265.0	0.01%	265.0	0.01%	1,000.0	0.04%
d155	Research	117	477.1	0.02%	477.1	0.02%	26,493.7	1.18%
d170	Research	17	0.3	0.00%	0.3	0.00%	100.0	0.00%
d172	Research	0	0.0	0.00%	0.0	0.00%	500.0	0.02%
d175	Research	13	0.2	0.00%	0.2	0.00%	655.6	0.03%
d428	Research	0	0.0	0.00%	0.0	0.00%	209.4	0.01%
d429	Research	543	2,187.2	0.10%	2,235.3	0.10%	2,500.0	0.11%
d153	Industrial	0	0.0	0.00%	0.0	0.00%	400.0	0.02%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	6,132.1	0.27%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	3,036.1	0.14%
i21	Industrial	136	123.1	0.01%	123.1	0.01%	1,000.0	0.04%
i236	Industrial	7	149.1	0.01%	149.1	0.01%	373.0	0.02%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	343.1	0.02%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	3.3	0.00%
d174	Training	3,036	110.4	0.00%	110.4	0.00%	1,486.7	0.07%
ta029	Training	212	24.8	0.00%	24.8	0.00%	159.1	0.01%
y23	Service	9	0.5	0.00%	0.5	0.00%	1,000.0	0.04%
sc004	UoE Access	0	0.0	0.00%	0.0	0.00%	11.0	0.00%
DirectorsTime Total		5,073	10,359.9	0.46%	10,408.1	0.47%	69,419.7	3.10%
y02	Service	1,115	269.1	0.01%	269.1	0.01%	330.9	0.01%
y07	Service	482	12.2	0.00%	12.2	0.00%	498.6	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	249.3	0.01%
z02	Service	16	1.4	0.00%	1.4	0.00%	1,991.1	0.09%
z19	Service	4,882	21,118.9	0.94%	21,125.2	0.94%	49,726.8	2.22%
CSE Total		6,495	21,401.6	0.96%	21,407.9	0.96%	52,796.6	2.36%
Total		181,870	1,818,623.2	81.32%	1,848,630.6	82.66%	4,608,073.7	206.05%

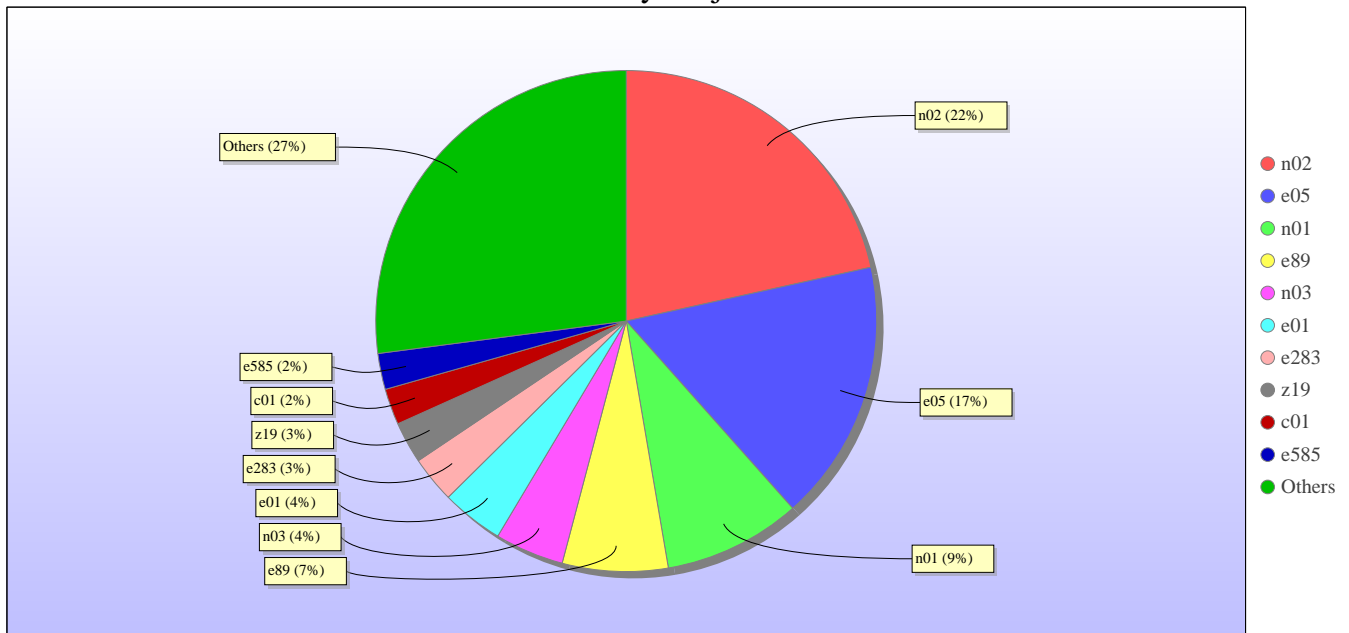
Use by Project



Uncharged Use by Project



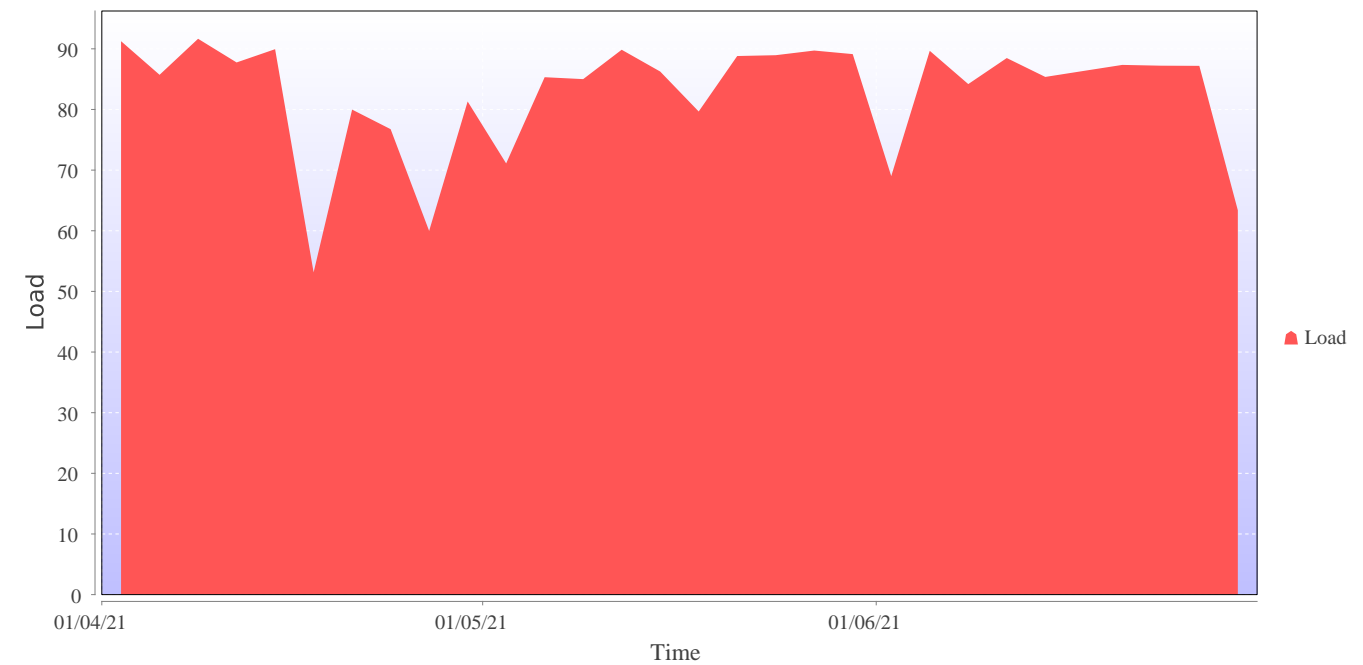
Jobs by Project



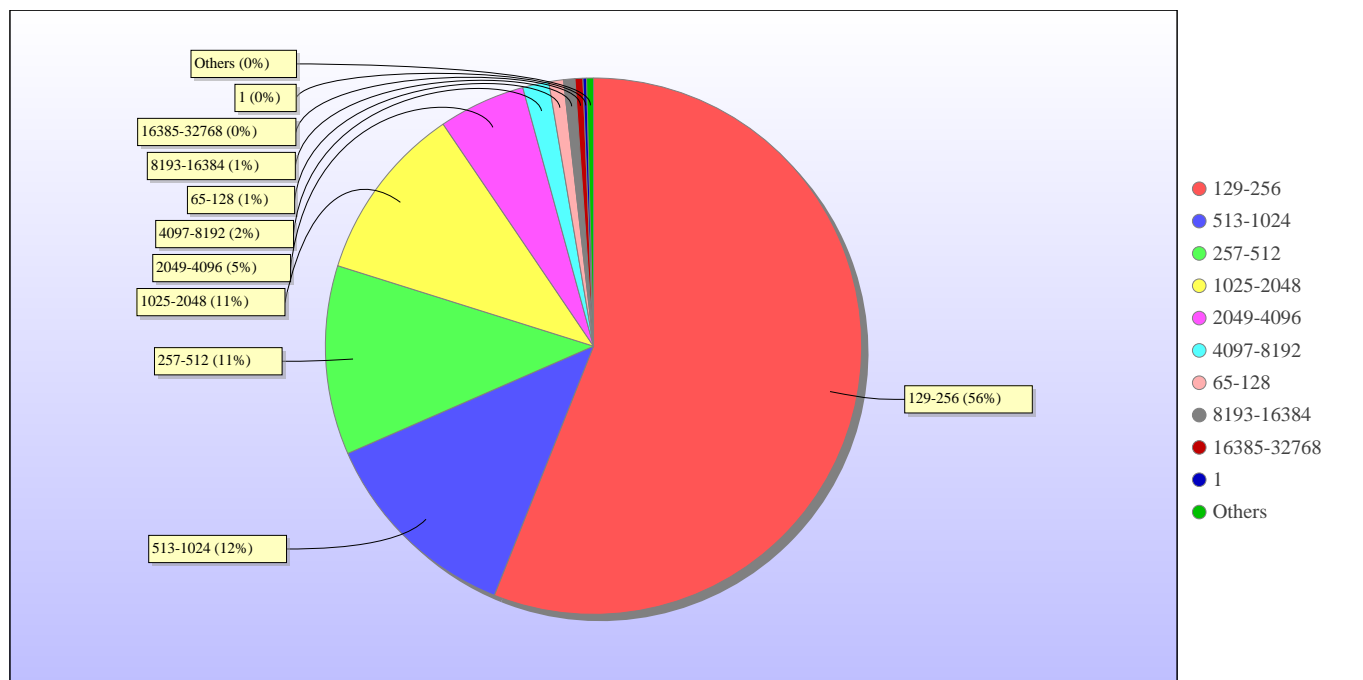
CUs (by Size)

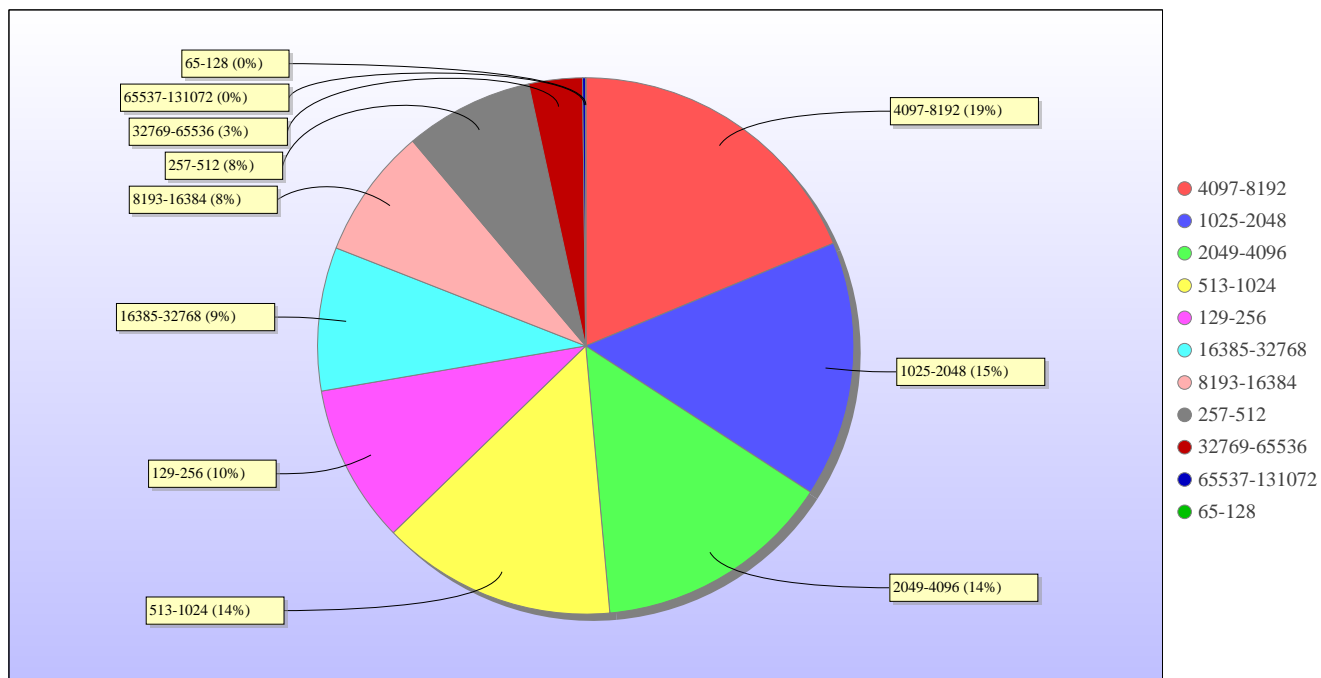
Size	CUs	Number of Jobs
1	0	394
2	0	24
3-4	0	53
5-8	0	97
9-16	0	97
17-32	0	172
33-64	0	153
65-128	0	1,607
129-256	176,672.991	101,910
257-512	142,369.942	20,735
513-1024	261,449.494	22,577
1025-2048	284,595.923	19,413
2049-4096	262,255.783	9,504
4097-8192	343,335.796	2,869
8193-16384	141,070.289	1,248
16385-32768	156,101.561	863
32769-65536	47,278.769	130
65537-131072	3,491.704	23
131073-262144	0.9	1

Load plots

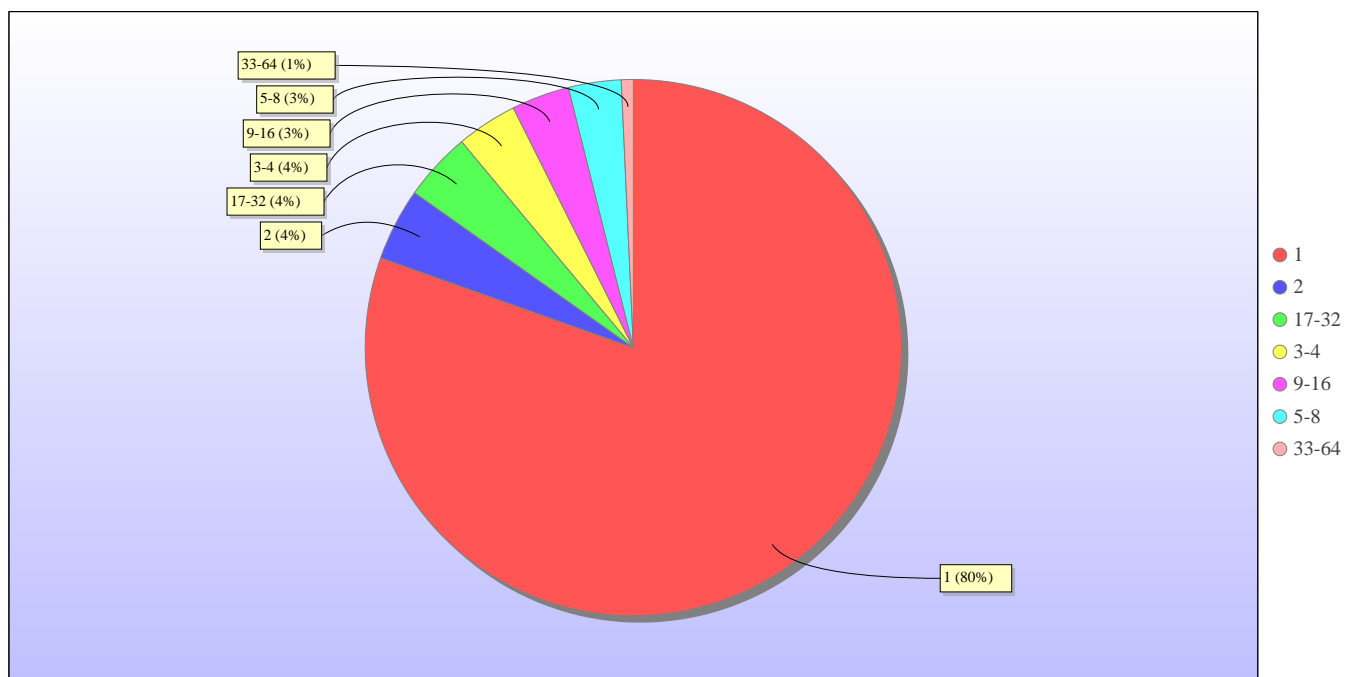


Percentage load on machine

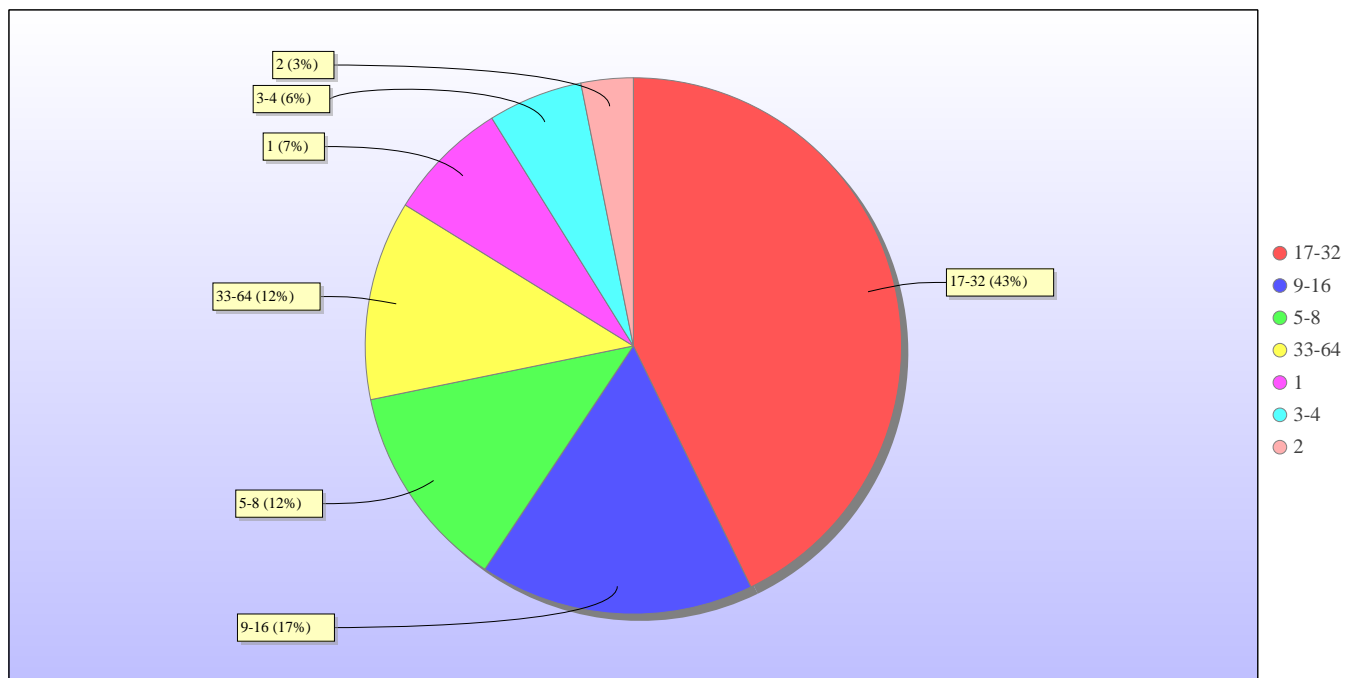




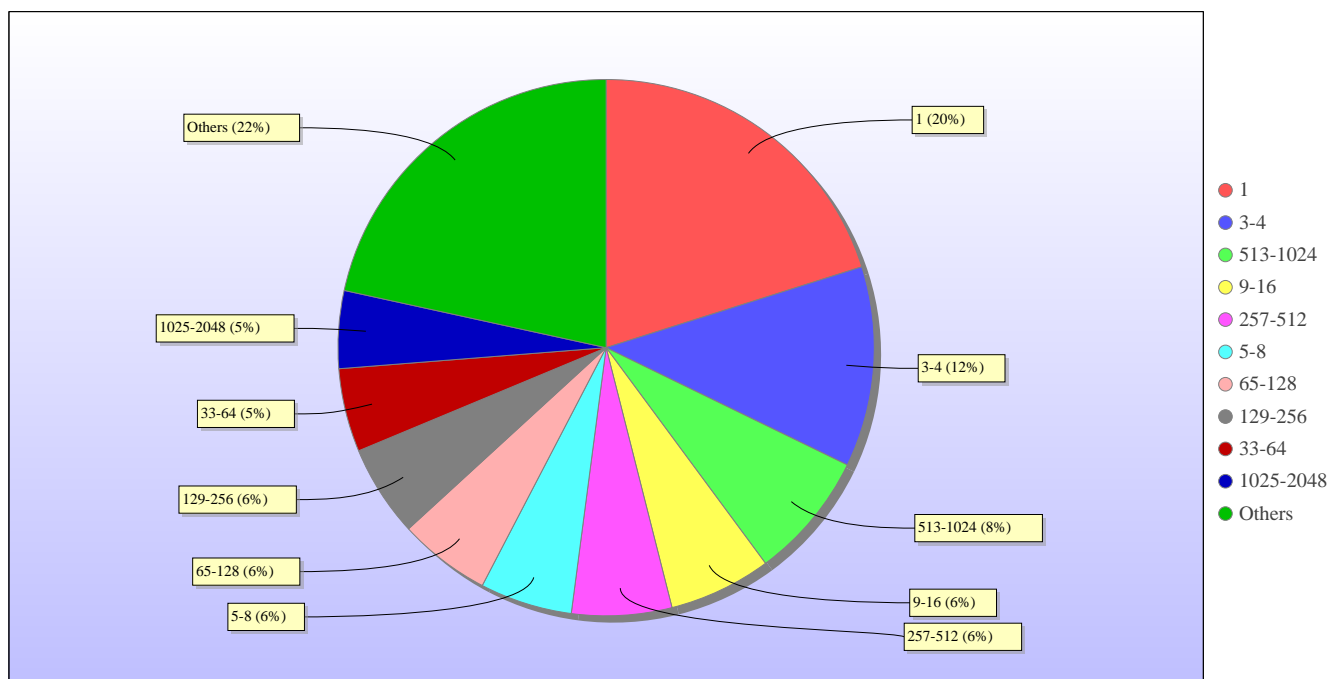
CUs used by Size



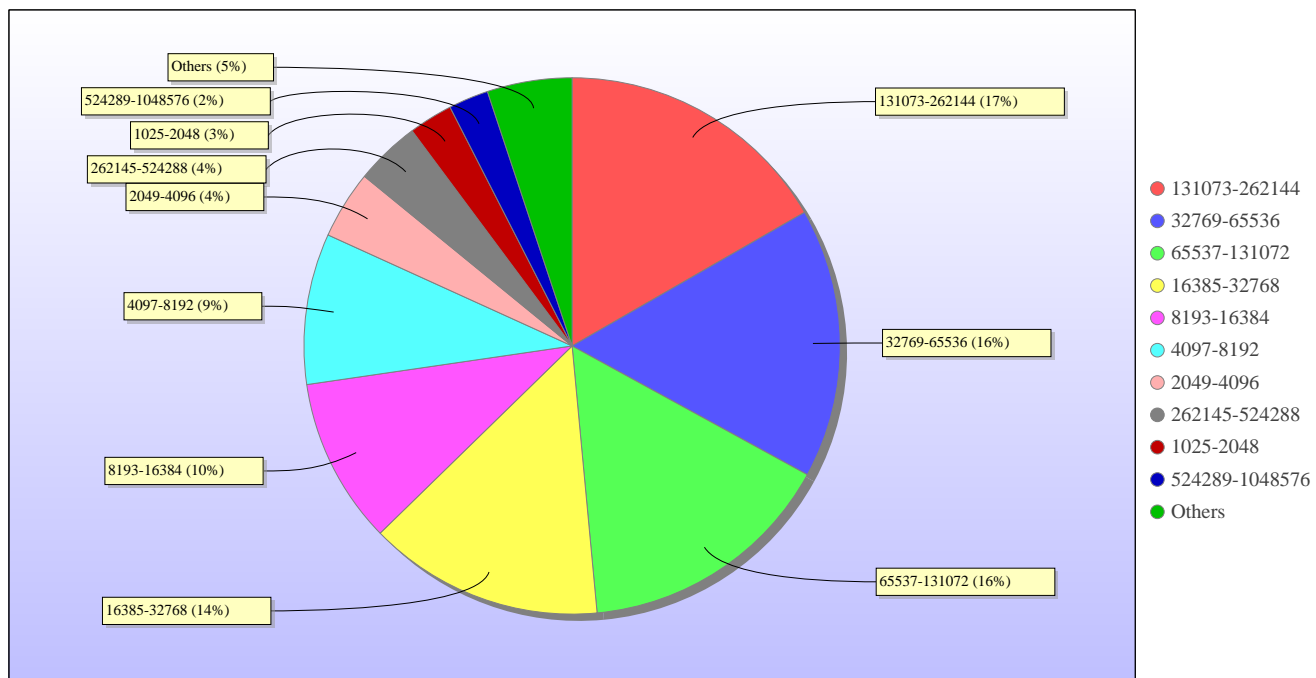
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

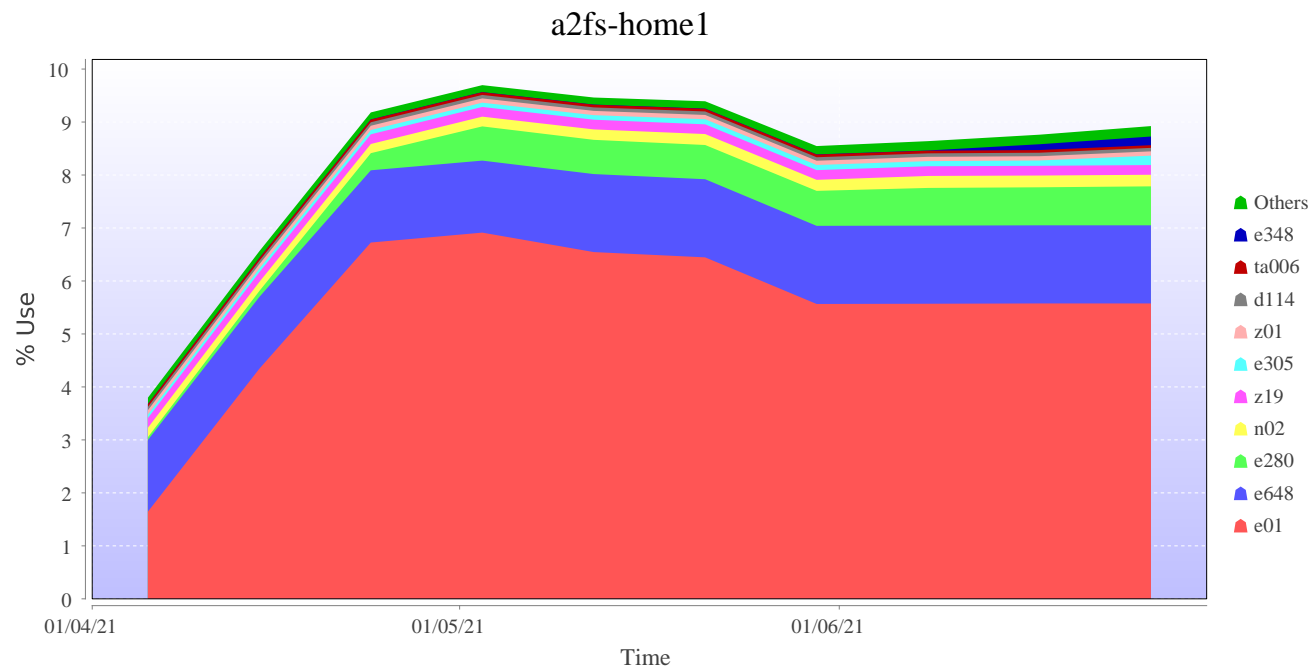


CUs used grouped by core-hours

Disk usage

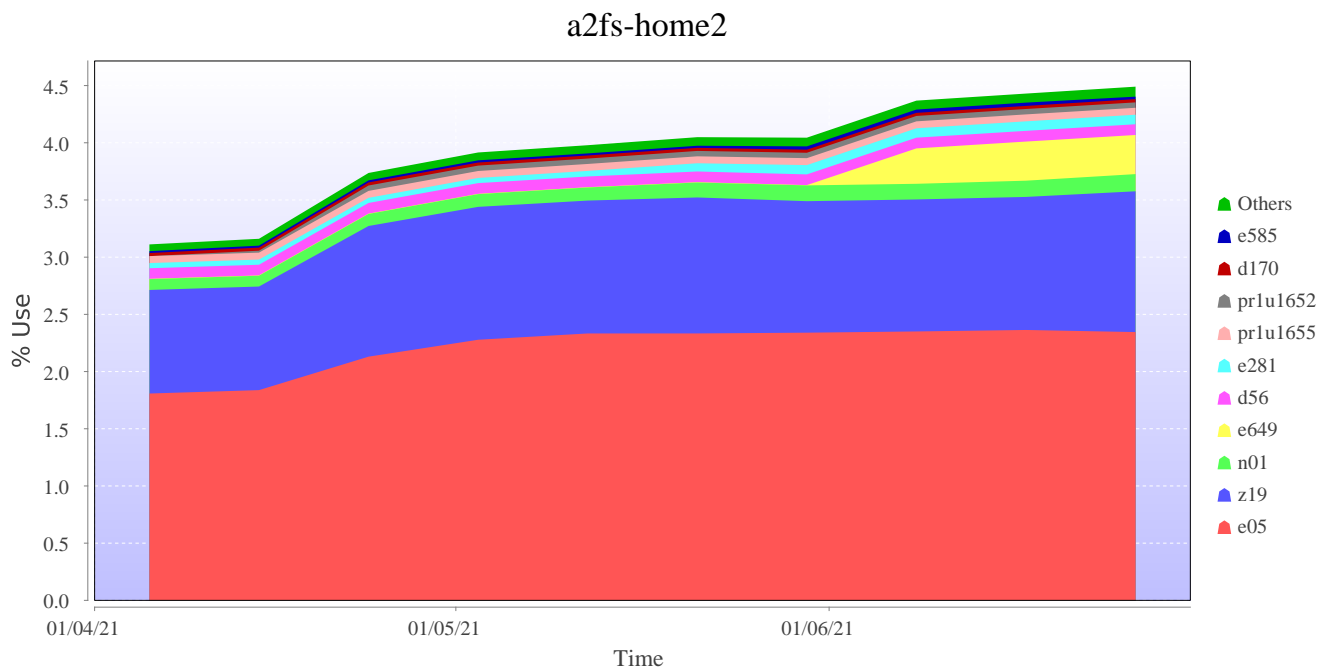
Disk usage for home (a2fs-home1)

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.



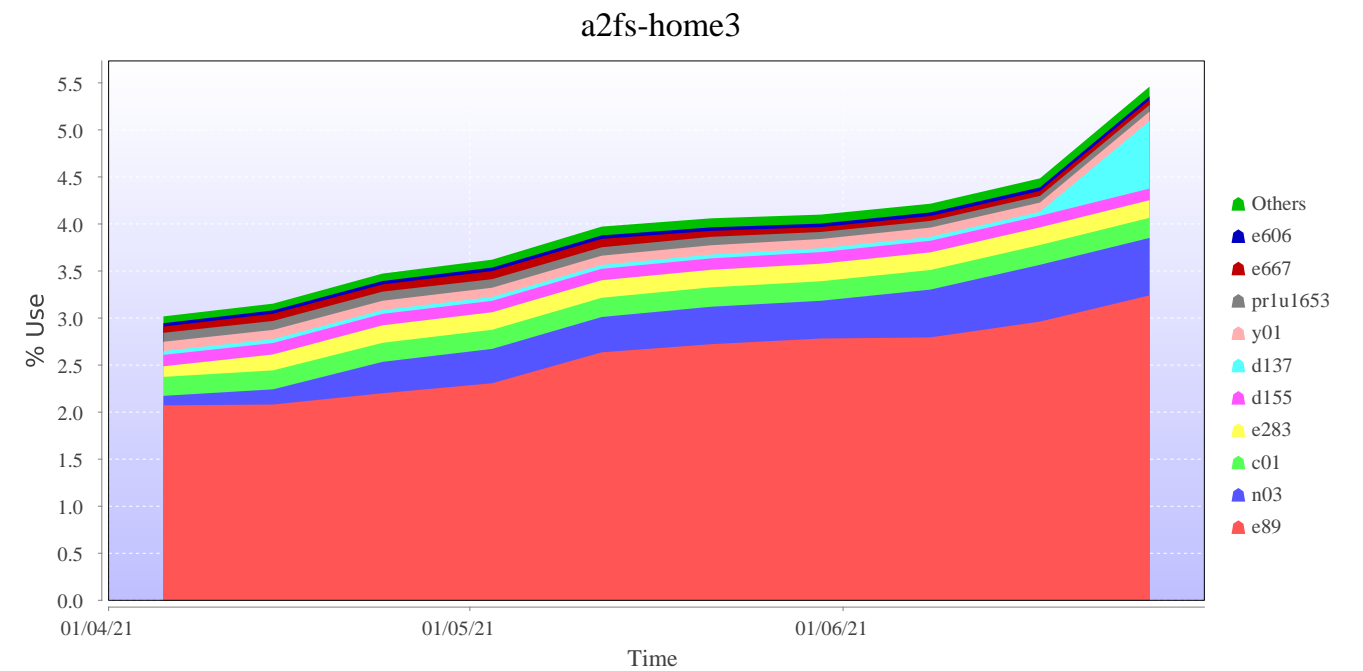
Disk usage for home (a2fs-home2)

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.



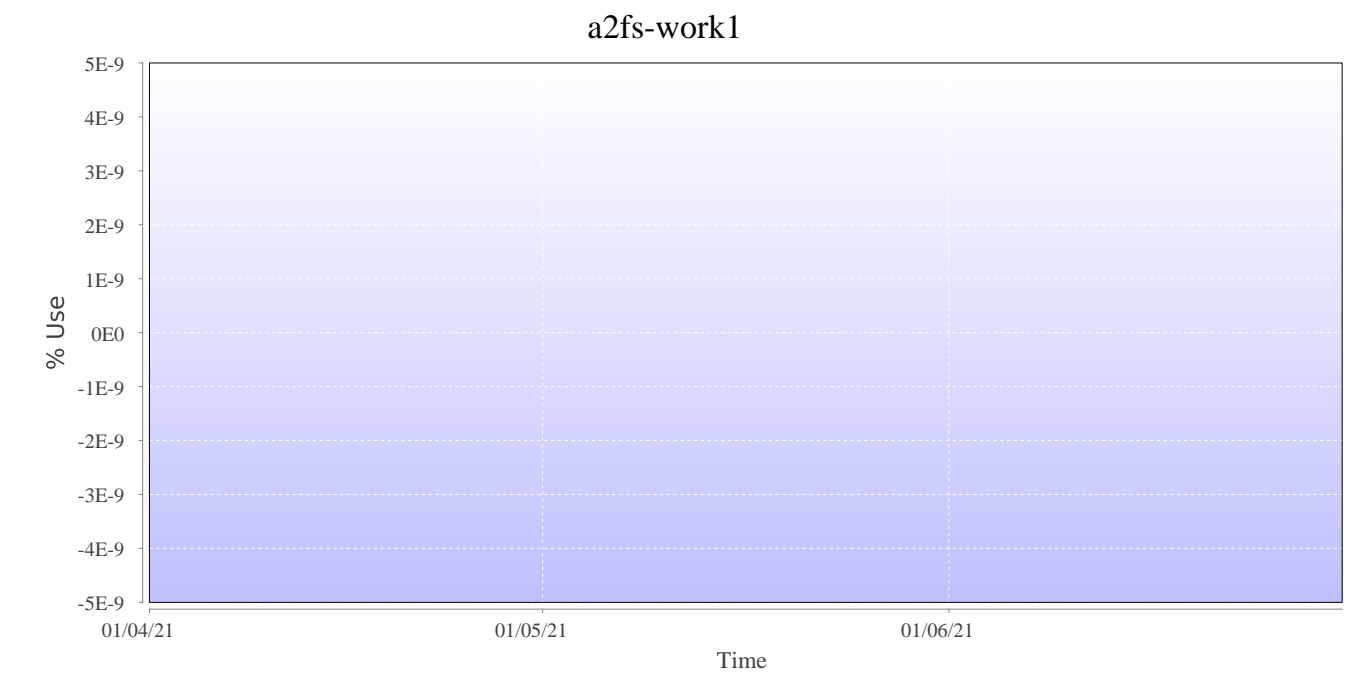
Disk usage for home (a2fs-home3)

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.



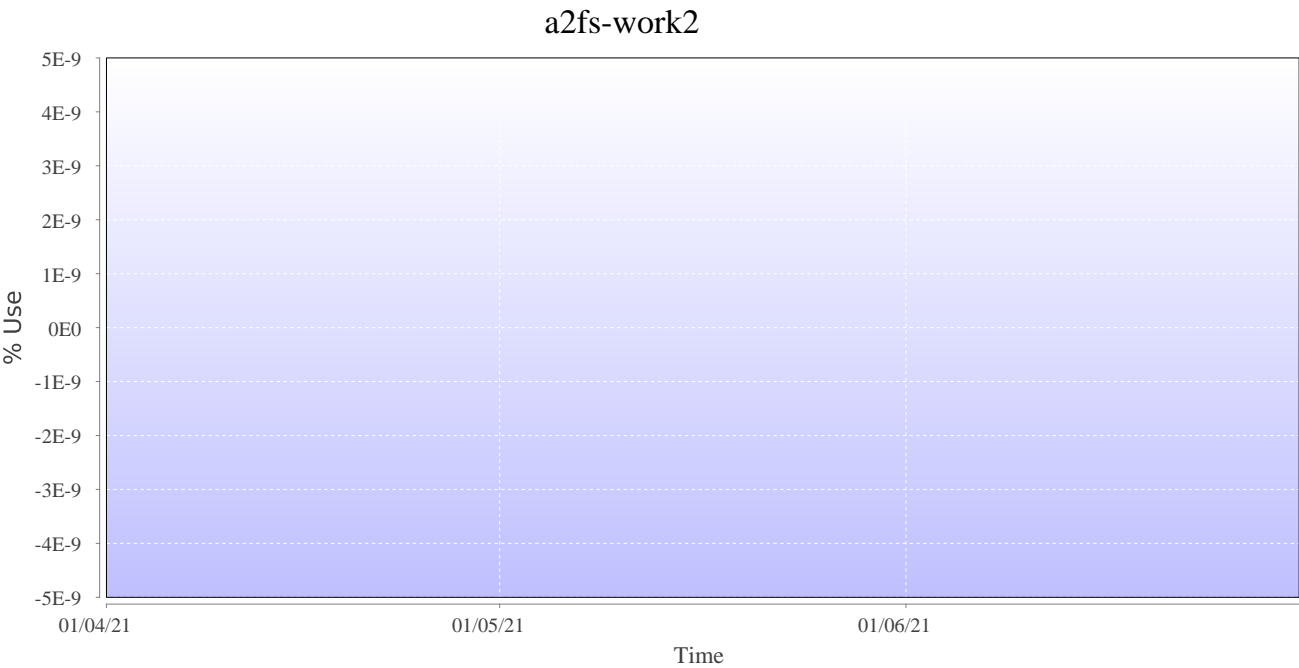
Disk usage for work (a2fs-work1)

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.



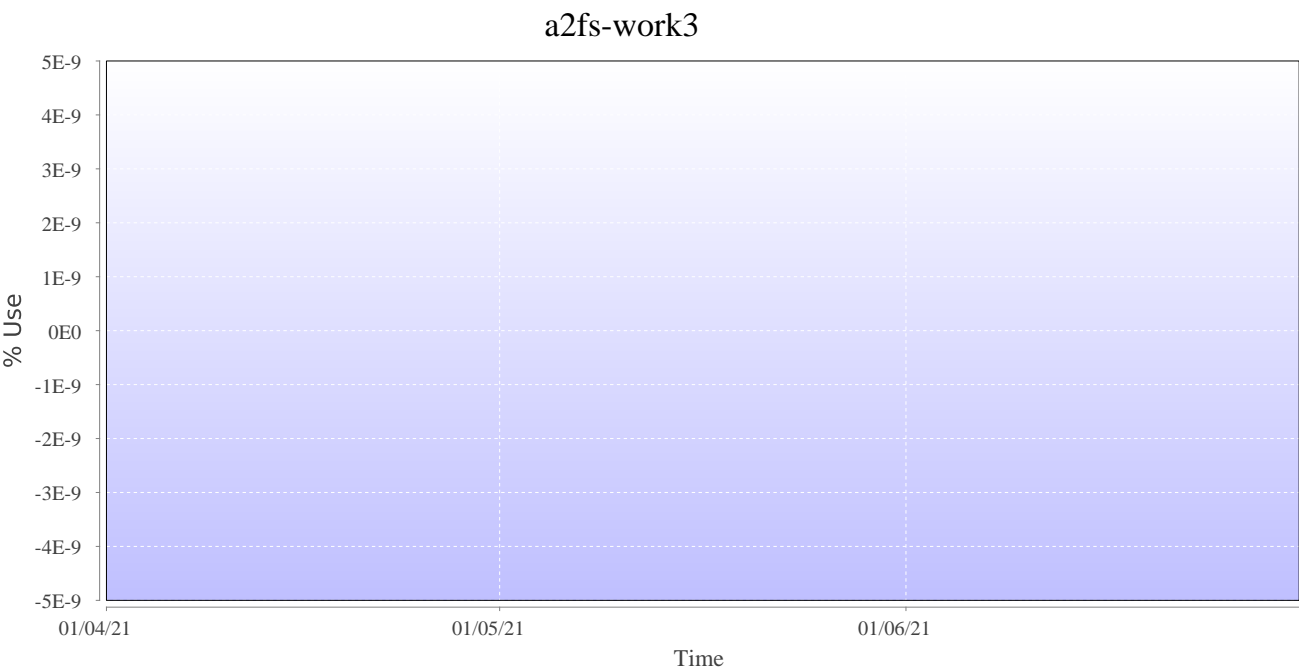
Disk usage for work (a2fs-work2)

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.



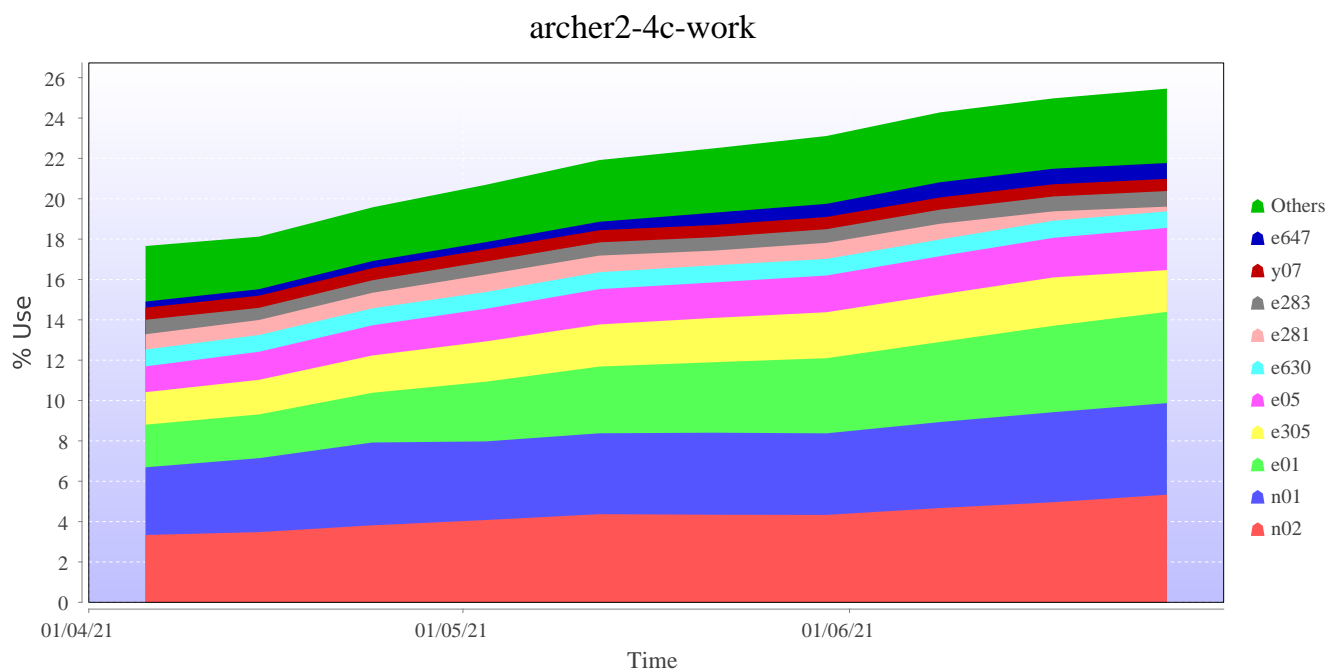
Disk usage for work (a2fs-work3)

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.



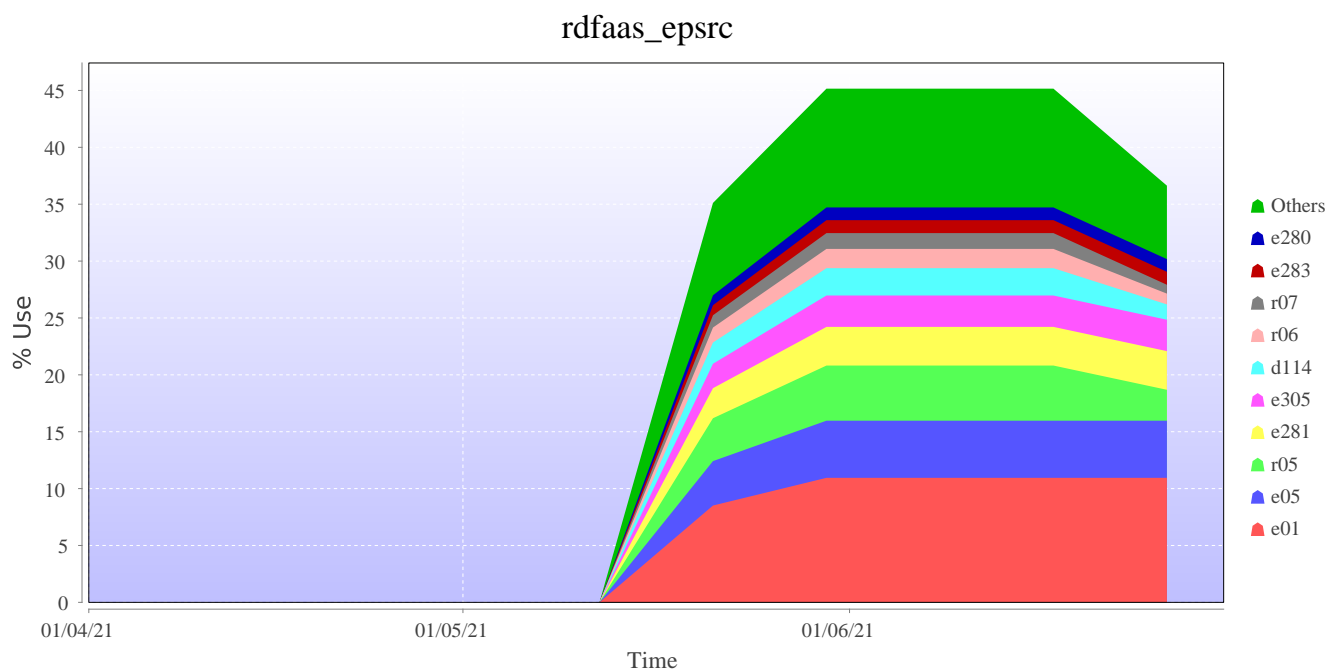
Disk usage for work-4cab (archer2-4c-work)

This is a plot of Disk Use on archer2-4c-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.



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.

