

Monthly Reporting

Report from 01 August 2020 to 31 August 2020

Report for Resource Pool XC on All machines

A total of 0 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.

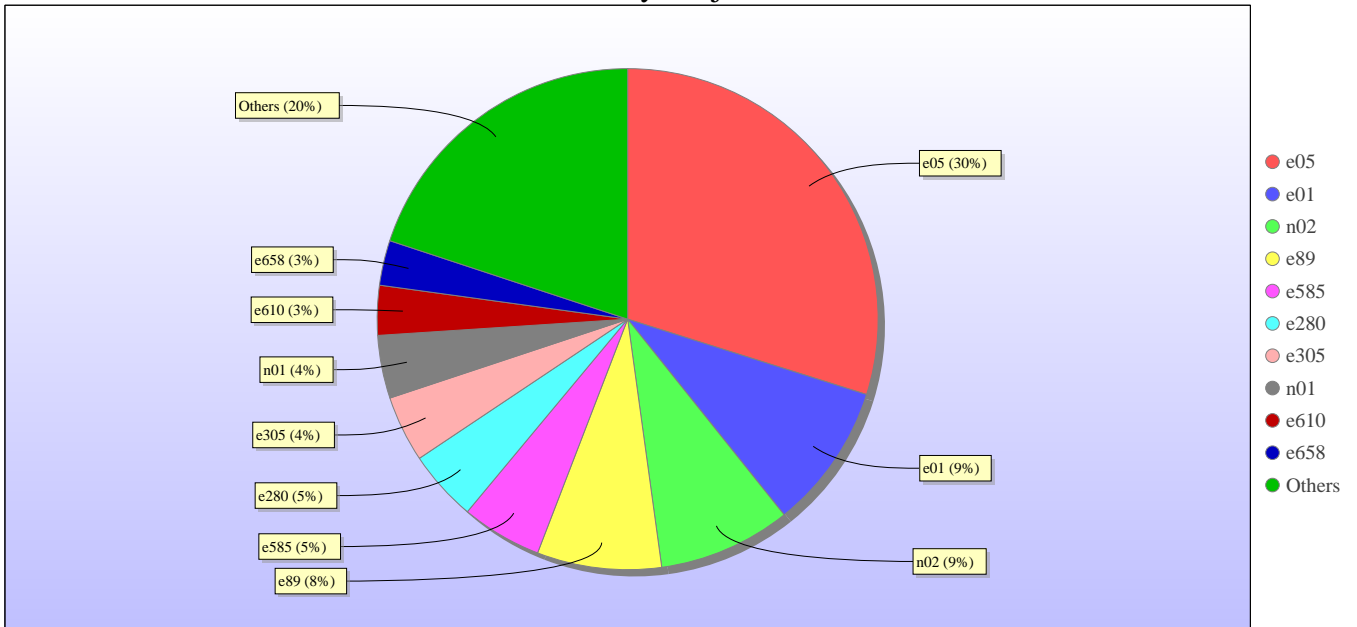
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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
E635	Class1a	0	0.0		0.0		3,387.2	
c01	Class1a	385	25,647.3		25,654.4		15,261.6	
e432	Class1a	107	11,688.8		11,688.8		7,879.5	
e448	Class1a	995	19,928.4		19,928.4		35,160.2	
e517	Class1a	0	0.0		0.0		80.6	
e519	Class1a	33	1,379.7		2,759.4		4,705.4	
e530	Class1a	0	0.0		0.0		1,129.9	
e537	Class1a	0	0.0		0.0		1,878.2	
e572	Class1a	688	2,187.6		2,529.8		3,586.6	
e575	Class1a	366	4,899.7		4,901.8		2,864.8	
e584	Class1a	13	2,703.4		2,703.4		1,370.4	
e588	Class1a	3	0.5		0.5		3,048.5	
e606	Class1a	207	2,863.4		2,863.4		8,413.7	
e607	Class1a	328	8,132.7		8,987.5		16,092.9	
e608	Class1a	32	2,063.6		4,102.9		3,387.2	
e609	Class1a	299	1,968.2		1,968.2		12,027.3	
e610	Class1a	451	36,771.9		36,934.9		7,579.8	
e613	Class1a	84	2,717.8		2,832.4		677.4	
e627	Class1a	888	1,815.0		1,819.8		7,493.7	
e630	Class1a	57	11,024.8		19,745.6		16,844.0	
e637	Class1a	0	0.0		0.0		2,540.4	
e642	Class1a	0	0.0		0.0		7,330.2	
e643	Class1a	79	0.2		0.2		7,579.8	
e645	Class1a	13	674.4		674.4		4,078.6	
e647	Class1a	223	4,596.4		4,596.4		5,367.5	
e648	Class1a	43	2,588.7		2,588.7		4,851.1	
e649	Class1a	1	345.7		345.7		4,235.0	
e651	Class1a	135	1,788.7		1,788.7		2,037.5	
e655	Class1a	33	645.5		796.7		2,142.3	
e663	Class1a	204	2,307.9		2,307.9		1,693.6	
e667	Class1a	0	0.0		0.0		1,597.6	
e668	Class1a	0	0.0		0.0		1,358.4	
e01	Consortia	1,268	88,014.0		108,313.2		84,745.6	
e05	Consortia	9,693	265,885.6		344,138.9		237,183.6	
e89	Consortia	4,612	90,559.4		92,525.2		119,315.0	
e280	Consortia	601	52,647.8		52,747.0		50,527.2	
e281	Consortia	367	12,589.7		12,694.4		18,059.4	
e283	Consortia	1,614	22,535.4		22,663.5		18,917.4	
e305	Consortia	1,213	47,316.8		49,282.9		58,664.0	
e585	Consortia	690	51,111.6		59,843.8		29,644.8	
e658	Consortia	696	31,654.1		33,429.6		28,710.0	

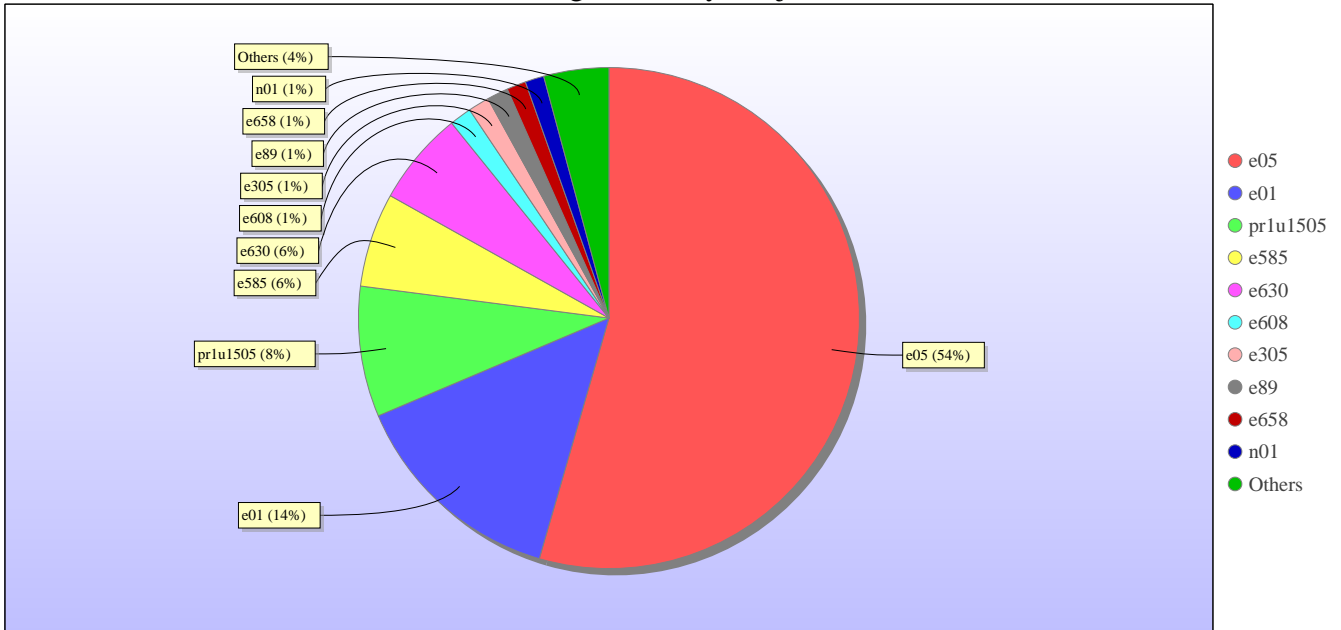
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e348	Direct Access: ARCHER RAP	22	1,470.9		1,470.9		6,846.9	
e664	Direct Access: ARCHER RAP	0	0.0		0.0		1,273.6	
e632	Instant Access	713	798.3		876.6		934.9	
e650	Instant Access	9	81.7		107.5		135.8	
e653	Instant Access	0	0.0		0.0		136.3	
e656	Instant Access	0	0.0		0.0		65.9	
e657	Instant Access	0	0.0		0.0		200.9	
e659	Instant Access	33	0.6		0.6		202.5	
e660	Instant Access	0	0.0		0.0		202.1	
e661	Instant Access	3,605	1,182.1		1,182.1		202.1	
e662	Instant Access	0	0.0		0.0		203.2	
e665	Instant Access	8	0.0		0.0		203.2	
e644	Training	86	117.8		121.8		2,286.7	
e654	Training	224	2,633.4		2,743.8		2,776.1	
ta002	Training	0	0.0		0.0		574.1	
e666	COVID-19 HPC Consortium	0	0.0		0.0		17,858.7	
EPSRC Total		31,121	817,339.3		944,661.7		877,550.8	
n01	Consortia	891	45,071.7		46,816.4		130,809.2	
n02	Consortia	12,657	97,326.2		98,694.6		188,776.1	
n03	Consortia	1,553	15,733.0		16,751.7		85,134.3	
NERC Total		15,101	158,131.0		162,262.6		404,719.7	
e621	Leadership Awards	63	700.3		700.3		2,863.5	
e568	Research	0	0.0		0.0		3,870.7	
BBSRC Total		63	700.3		700.3		6,734.2	
pr1u0001	DECI: EXEC	0	0.0		0.0		2.8	
pr1u1551	DECI: EXEC	0	0.0		0.0		7,571.6	
pr1u1552	DECI: EXEC	185	3,666.3		3,666.3		2,979.8	
pr1u1553	DECI: EXEC	146	9,534.2		9,534.2		10,012.4	
pr1u1554	DECI: EXEC	54	144.8		189.2		591.0	
pr1u1651	DECI: EXEC	0	0.0		0.0		203.4	
pr1u1652	DECI: EXEC	0	0.0		0.0		1,743.6	
pr1u1653	DECI: EXEC	22	848.0		848.0		2,214.1	
pr1u1654	DECI: EXEC	0	0.0		0.0		371.4	
pr1u1655	DECI: EXEC	0	0.0		0.0		936.1	
pr1u1656	DECI: EXEC	371	1,642.9		1,642.9		1,119.8	
pr1u1657	DECI: EXEC	0	0.0		0.0		344.3	
pr1u1658	DECI: EXEC	0	0.0		0.0		1,569.5	
pr1u1501	DECI: HOME	0	0.0		0.0		0.1	
pr1u1502	DECI: HOME	0	0.0		0.0		0.1	
pr1u1503	DECI: HOME	0	0.0		0.0		548.2	
pr1u1504	DECI: HOME	0	0.0		0.0		0.1	
pr1u1505	DECI: HOME	30	0.0		12,096.2		0.1	
pr1u1506	DECI: HOME	0	0.0		0.0		1,624.7	
pr1u1507	DECI: HOME	0	0.0		0.0		0.1	
pr1u1601	DECI: HOME	0	0.0		0.0		0.1	
pr1u1602	DECI: HOME	0	0.0		0.0		0.1	
pr1u1603	DECI: HOME	0	0.0		0.0		0.1	
pr1u1604	DECI: HOME	0	0.0		0.0		0.1	
pr1u1605	DECI: HOME	0	0.0		0.0		0.1	
pr1u1606	DECI: HOME	0	0.0		0.0		0.1	
pr1u1607	DECI: HOME	0	0.0		0.0		0.1	
pr1u1608	DECI: HOME	0	0.0		0.0		0.1	
pr1u1609	DECI: HOME	0	0.0		0.0		0.1	
pr1u1610	DECI: HOME	0	0.0		0.0		0.1	
pr1u1611	DECI: HOME	0	0.0		0.0		166.9	
pr1uco79	DECI: HOME	26	34.3		34.3		8,905.9	
PRACE Total		834	15,870.4		28,011.0		40,906.6	
d35	Research	0	0.0		0.0		168.4	
d56	Research	226	1,225.4		1,239.1		6,789.4	

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d88	Research	0	0.0		0.0		0.6	
d114	Research	711	7,122.1		7,134.1		14,336.4	
d118	Research	158	71.2		71.2		452.6	
d137	Research	51	2,236.3		2,236.3		2,935.6	
d142	Research	116	178.8		178.8		735.5	
d143	Research	60	1,989.1		1,989.1		1,270.5	
d155	Research	10	1.8		1.8		2,828.9	
d170	Research	82	0.0		0.0		0.8	
d428	Research	0	0.0		0.0		547.1	
d429	Research	0	0.0		0.0		620.0	
d430	Research	0	0.0		0.0		13,562.5	
W22	Industrial	0	0.0		0.0		508.1	
d153	Industrial	31	12.6		12.6		226.3	
i01	Industrial	0	0.0		0.0		622.4	
i21	Industrial	4	362.9		241.9		16,939.9	
i236	Industrial	0	0.0		0.0		131.9	
w21	Industrial	0	0.0		0.0		508.1	
w23	Industrial	0	0.0		0.0		508.1	
w24	Industrial	8	1,369.0		1,369.0		508.1	
d171	Training	403	136.1		136.1		1,131.6	
DirectorsTime Total		1,860	14,705.3		14,610.1		65,332.7	
y14	Training	3	0.0		0.0		169.4	
z01	Service	0	0.0		0.0		12.7	
z02	Service	0	0.0		0.0		4.2	
z19	Service	110	2,150.4		2,150.4		2,425.8	
CSE Total		113	2,150.4		2,150.4		2,612.1	
Total		49,092	1,008,896.7	0	1,152,396.2	0	1,397,856.1	0

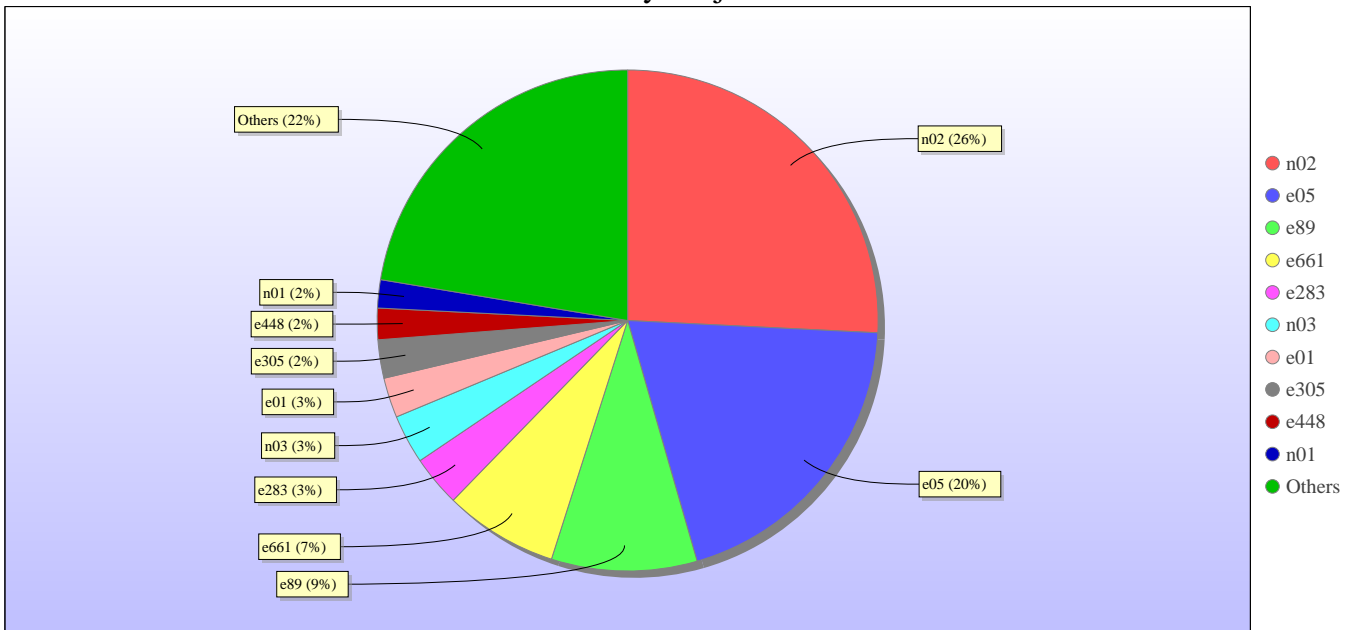
Use by Project



Uncharged Use by Project



Jobs by Project

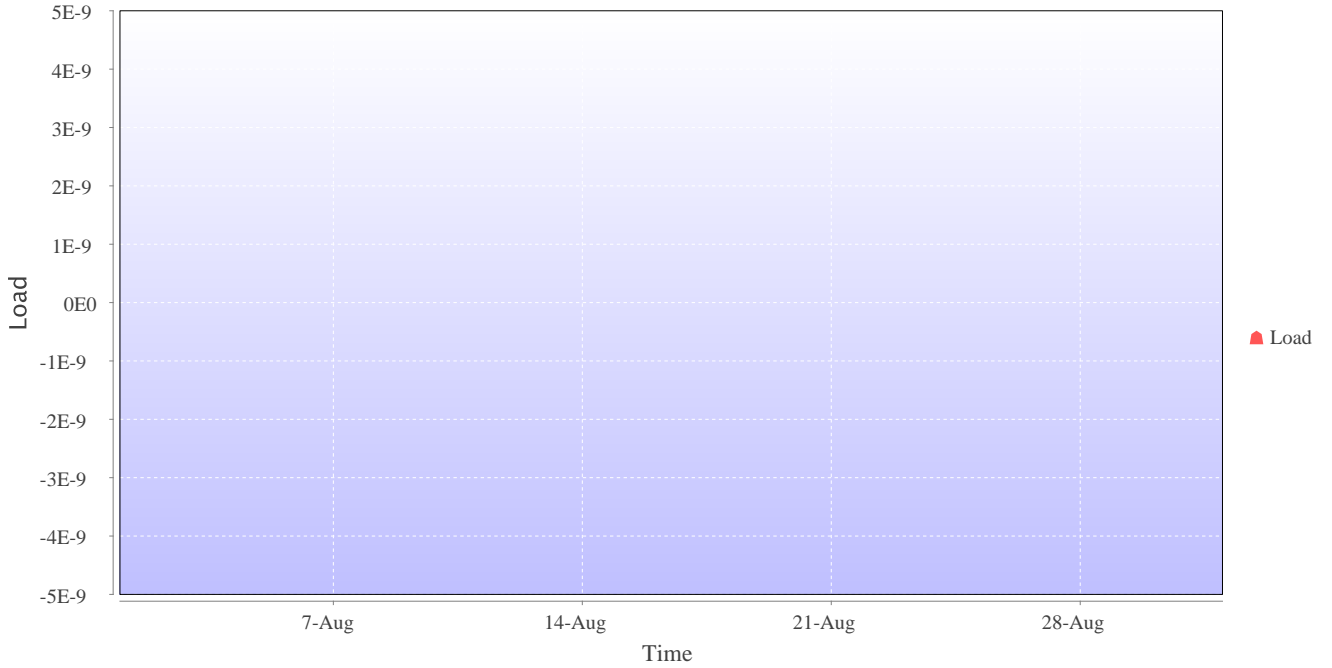


kAUs (by Size)

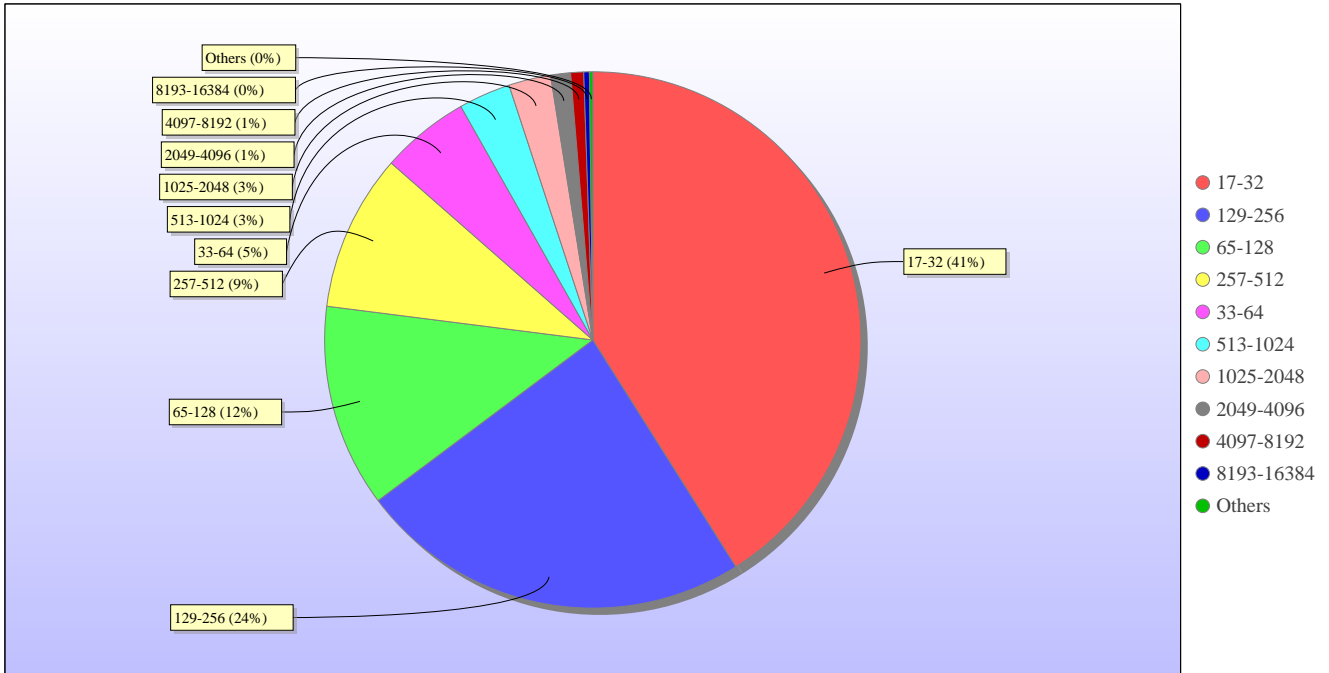
Size	kAUs	Number of Jobs
17-32	7,488.44	20,149
33-64	8,582.393	2,625
65-128	72,472.448	6,005
129-256	169,915.817	11,650
257-512	208,702.004	4,642
513-1024	152,935.175	1,537
1025-2048	109,678.578	1,246
2049-4096	93,906.513	588
4097-8192	81,020.959	384
8193-16384	57,902.053	165
16385-32768	16,287.21	78

Size	kAUs	Number of Jobs
32769-65536	27,234.787	11
65537-131072	2,407.457	10

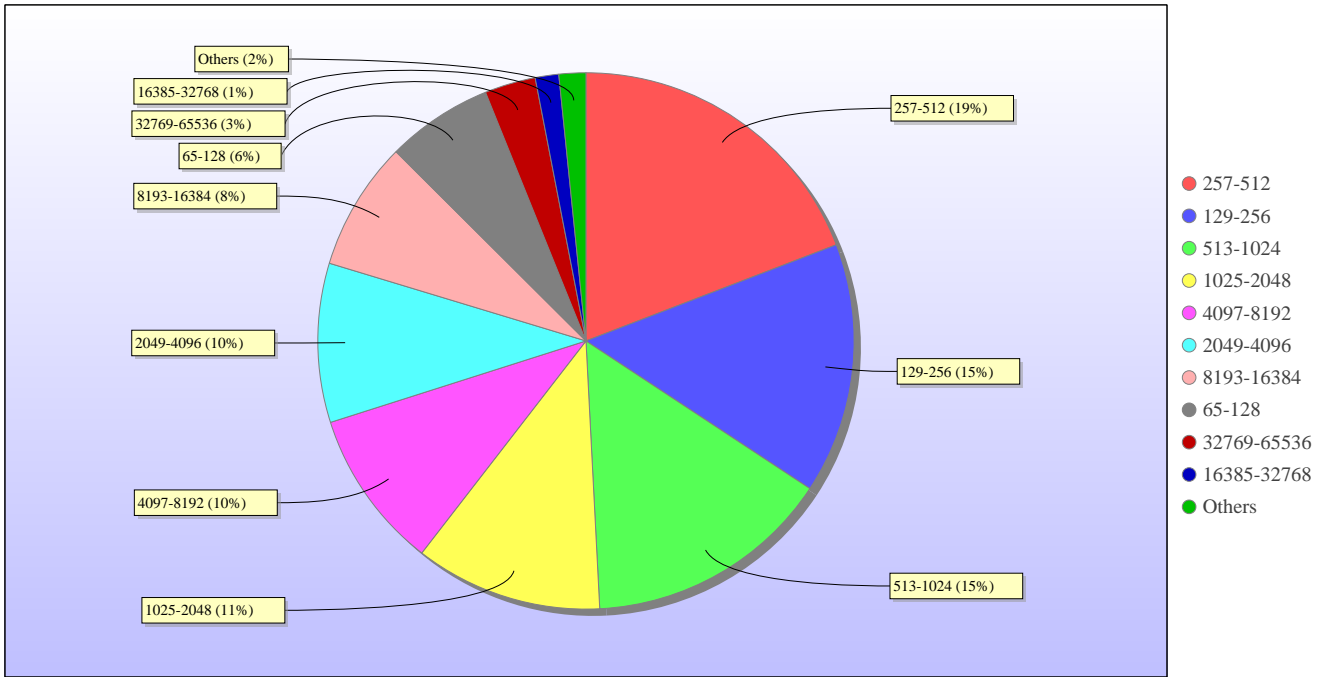
Load plots



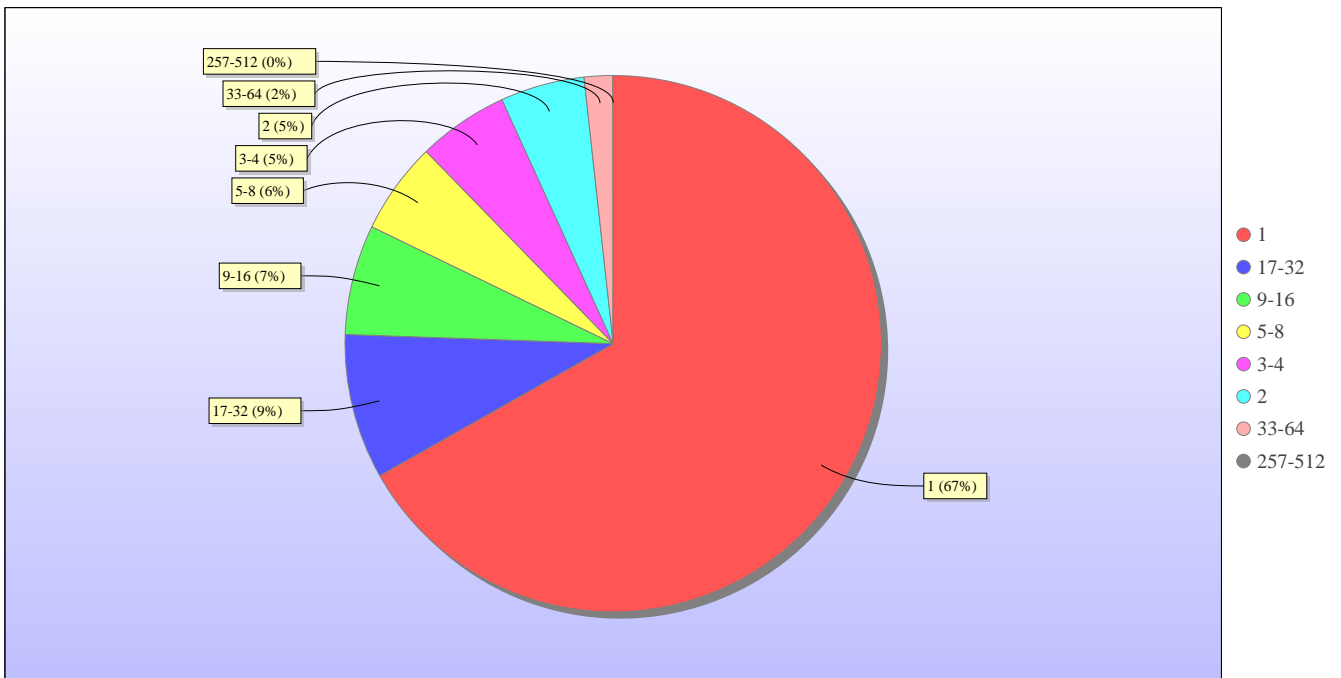
Percentage load on machine



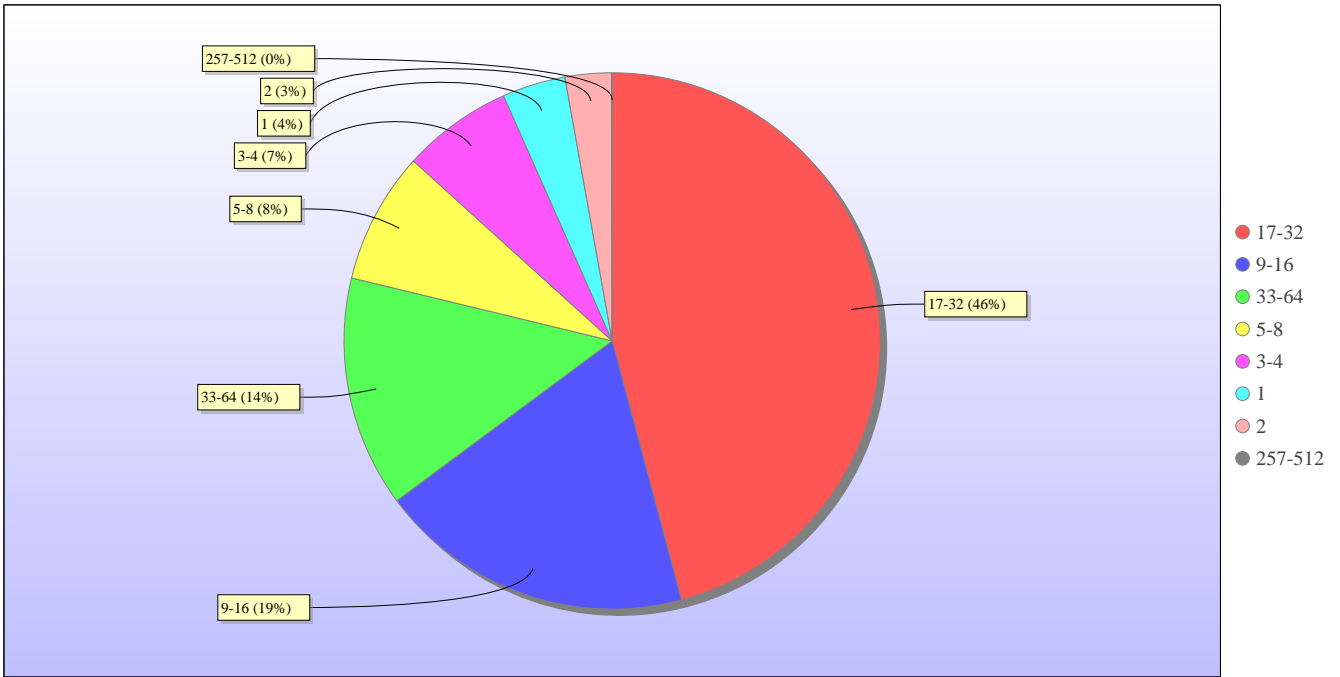
Jobs by Size



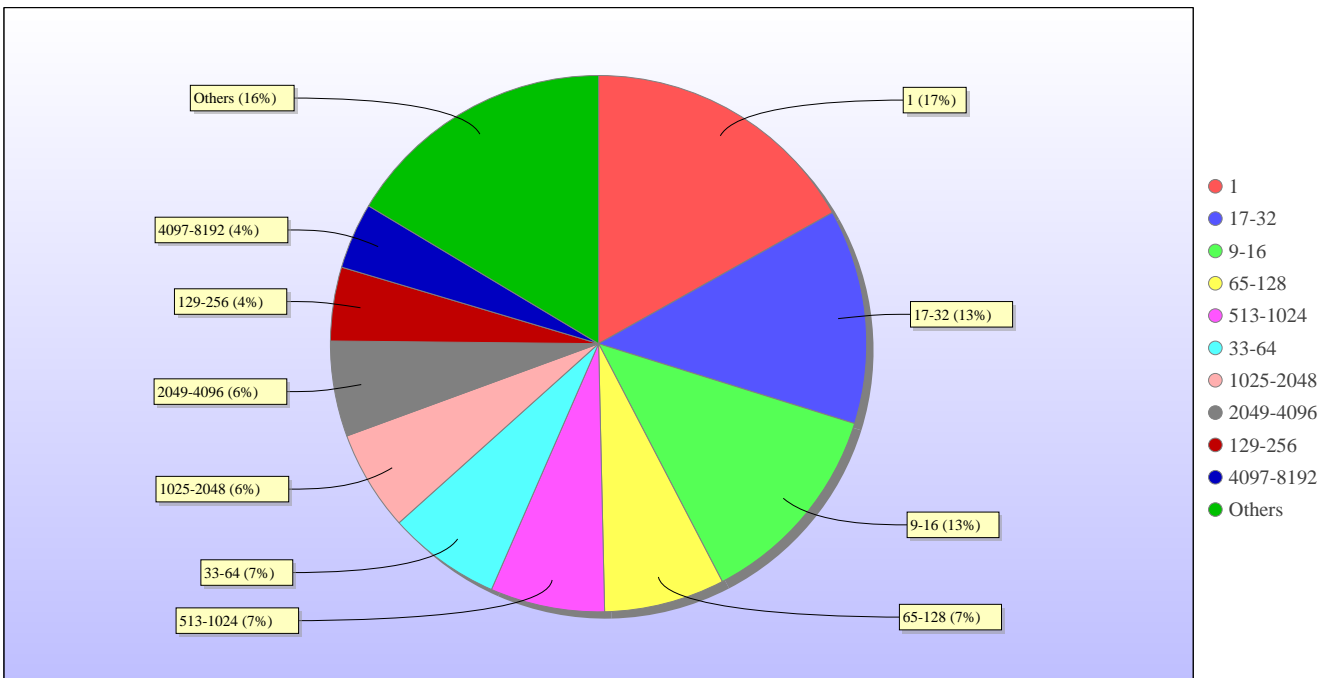
kAUs used by Size



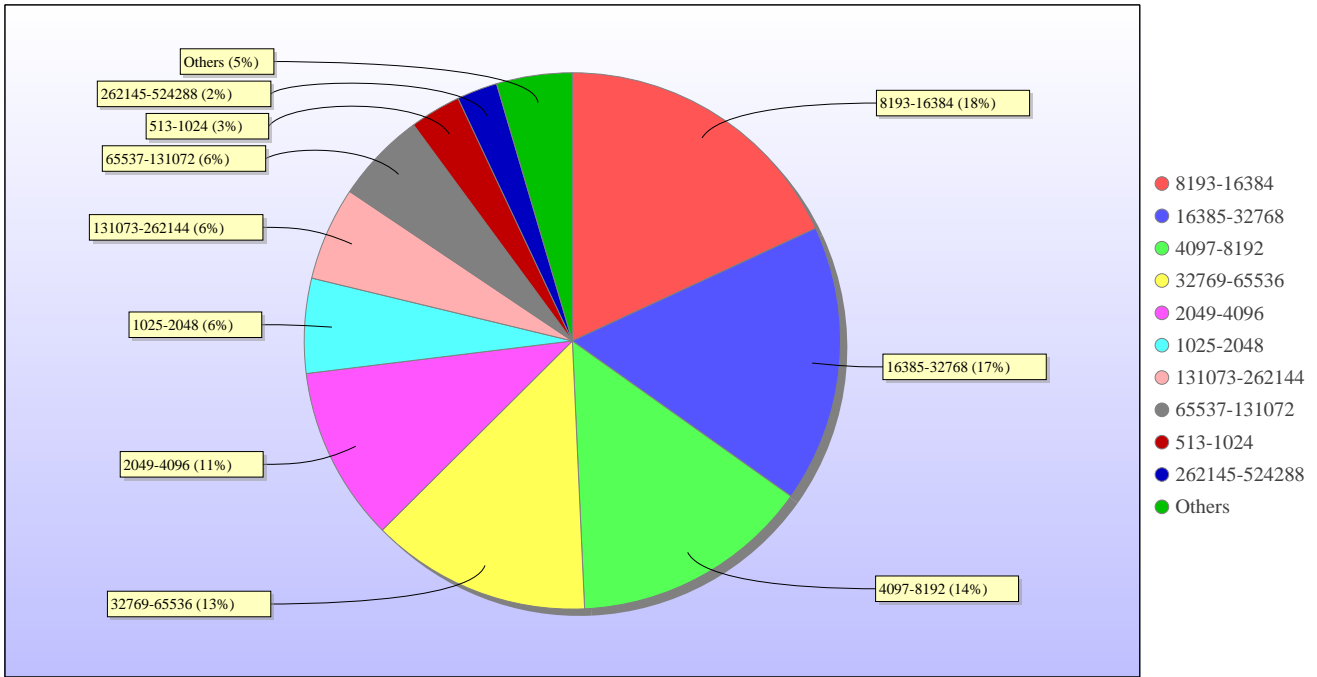
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours



kAUs used grouped by core-hours

Report for Resource Pool RDF on All machines

A total of 0 kAU were available during this period.

Use and Allocations (by Project)

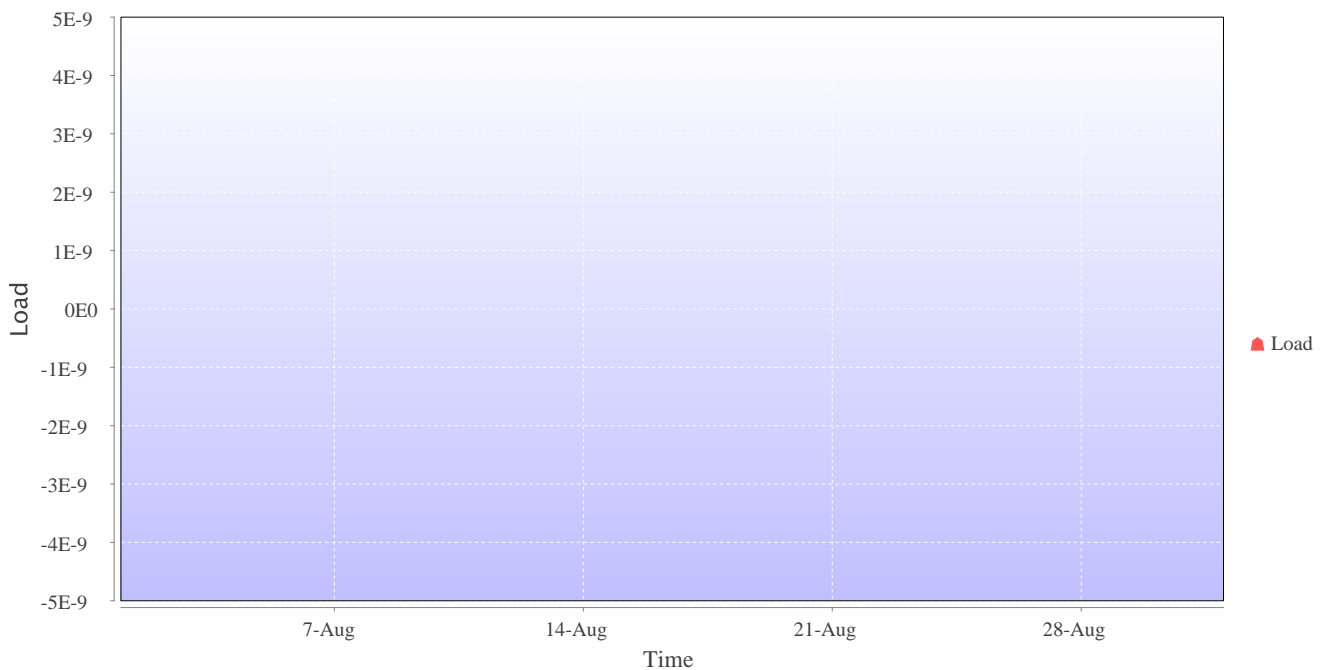
In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

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.

Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation	Project	Project Class
0	0.0	0	0.0	0	0.0	0	Total	

kAUs (by Size)

Load plots



Percentage load on machine

Report for Resource Pool Bede on All machines

A total of 0 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.

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Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation	Project	Project Class
0	0.0	0	0.0	0	0.0	0	Total	

kAUs (by Size)

Load plots

Report for Resource Pool KNL on All machines

A total of 0 kAU were available during this period.

Use and Allocations (by Project)

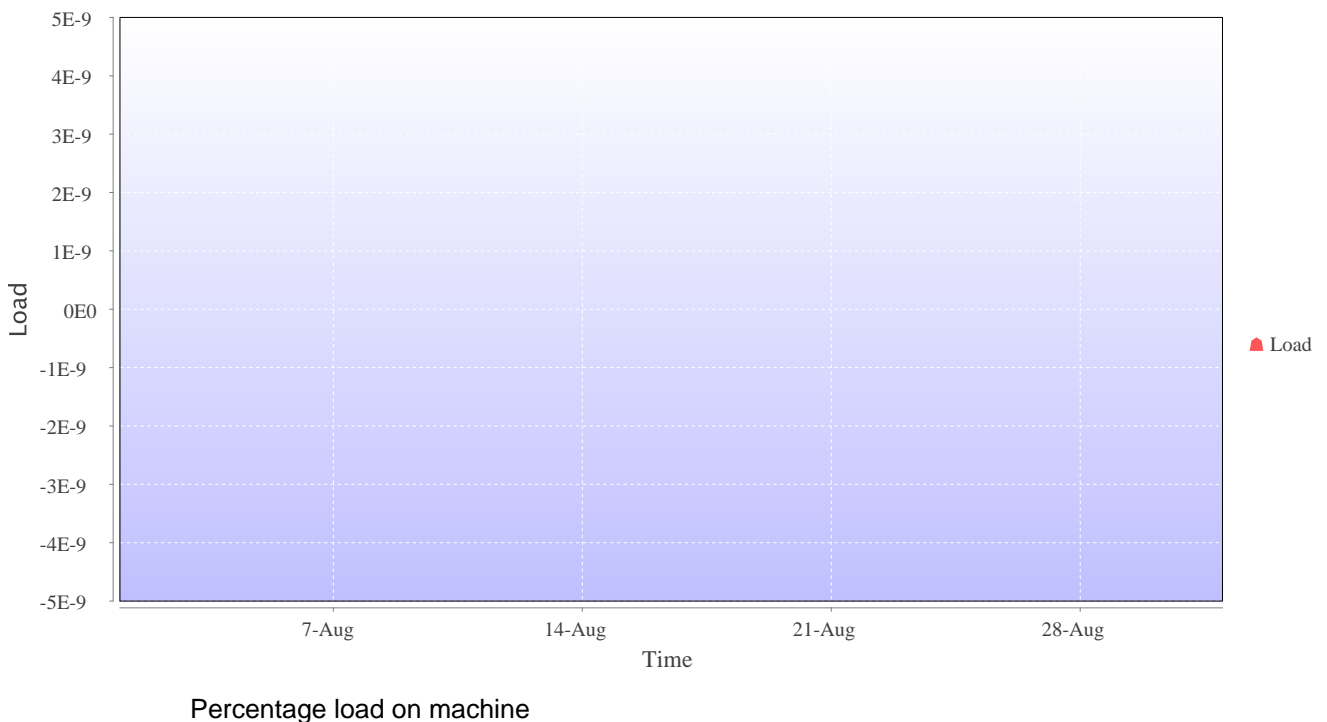
In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

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.

Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation	Project	Project Class
0	0.0	0	0.0	0	0.0	0	Total	

kAUs (by Size)

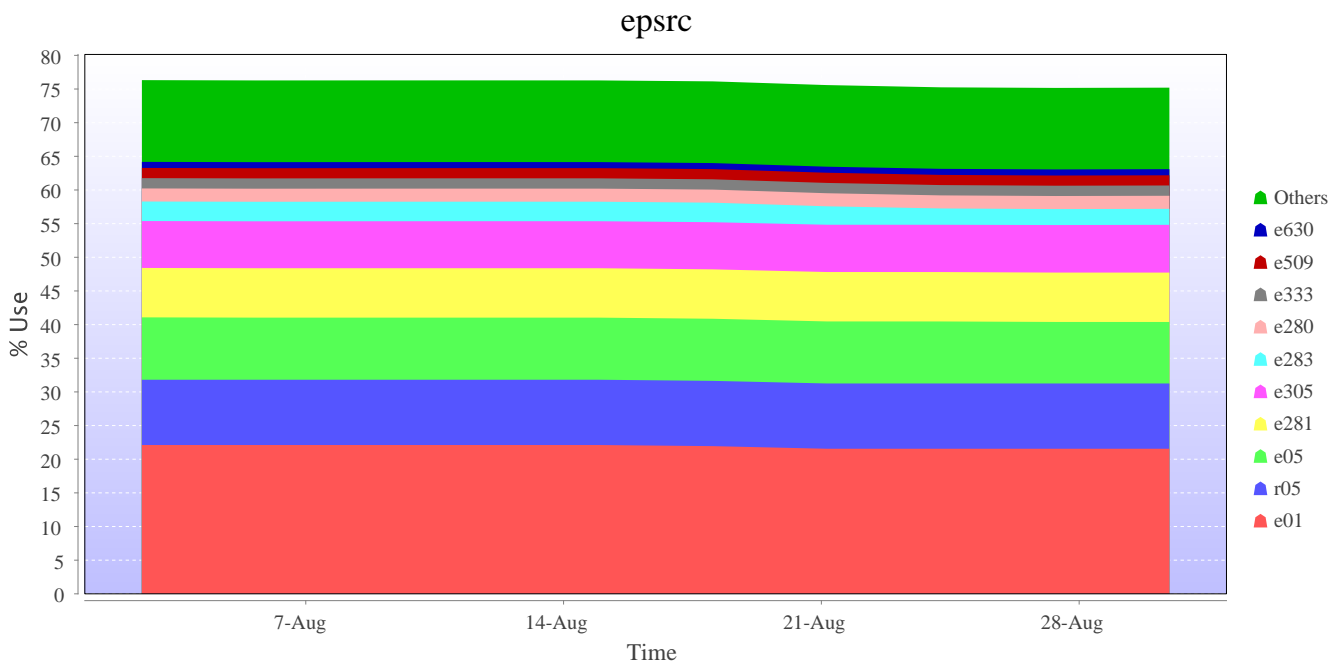
Load plots



Disk usage

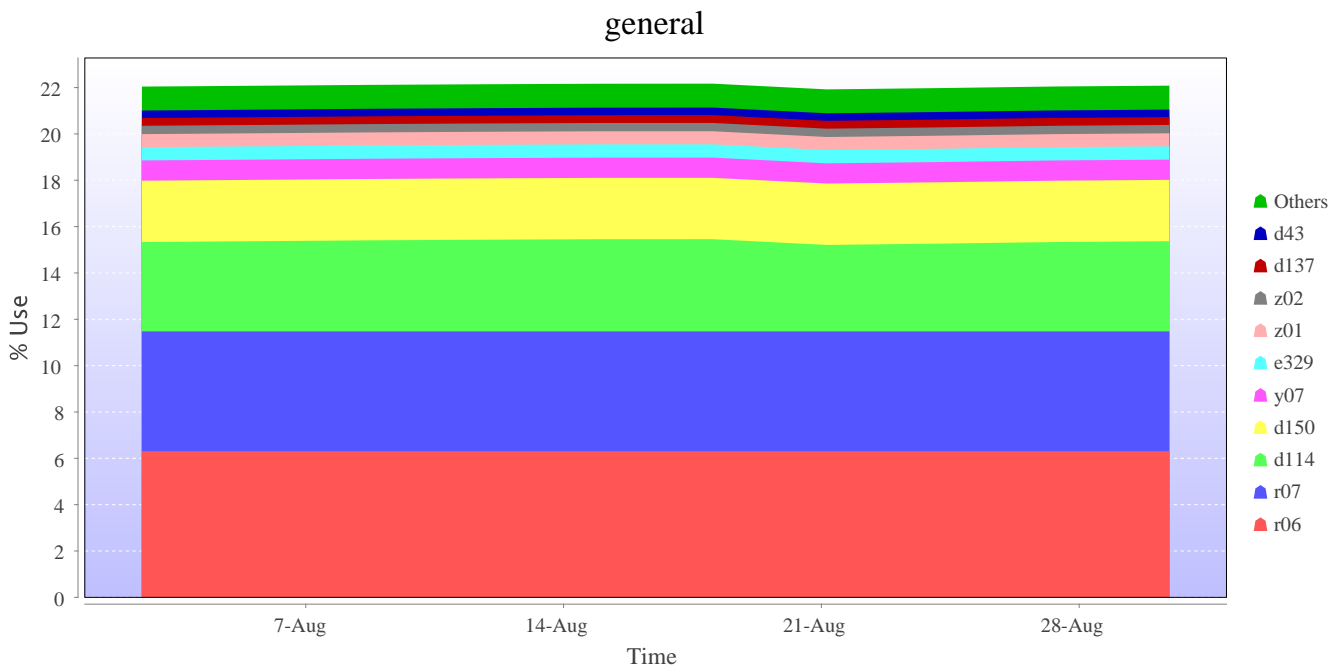
Disk usage for rdf (epsrc)

This is a plot of Disk Use on 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.



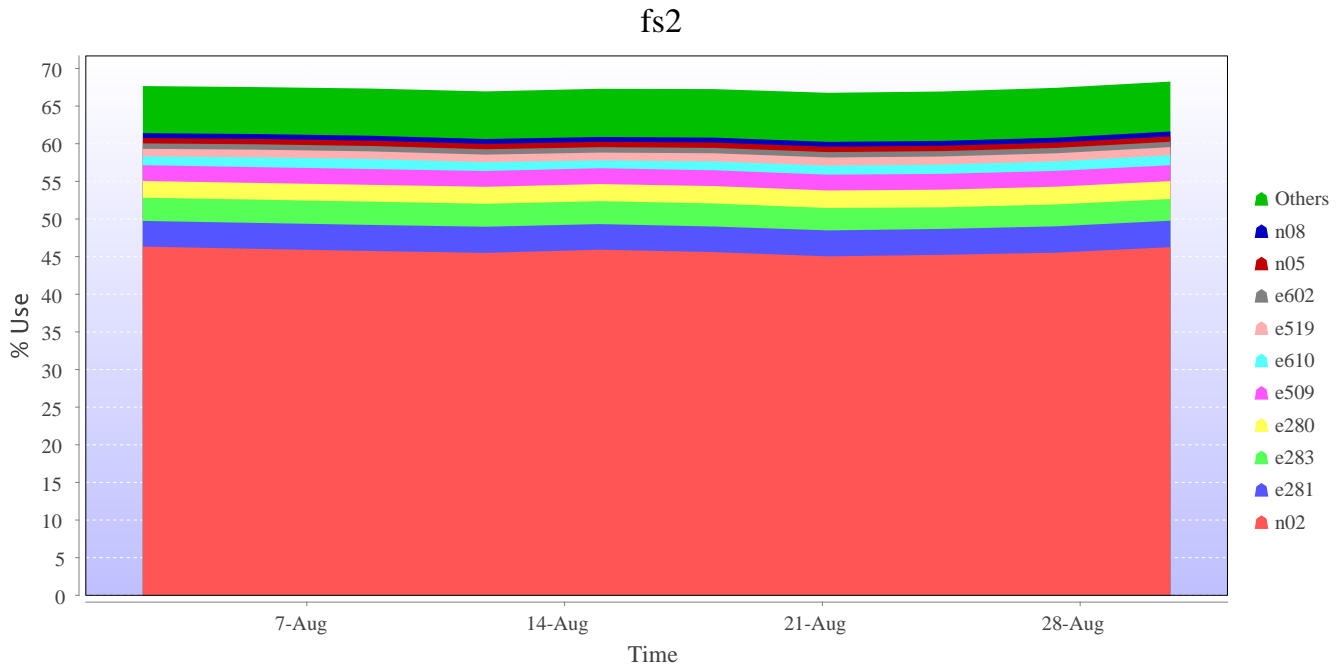
Disk usage for rdf (general)

This is a plot of Disk Use on 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.



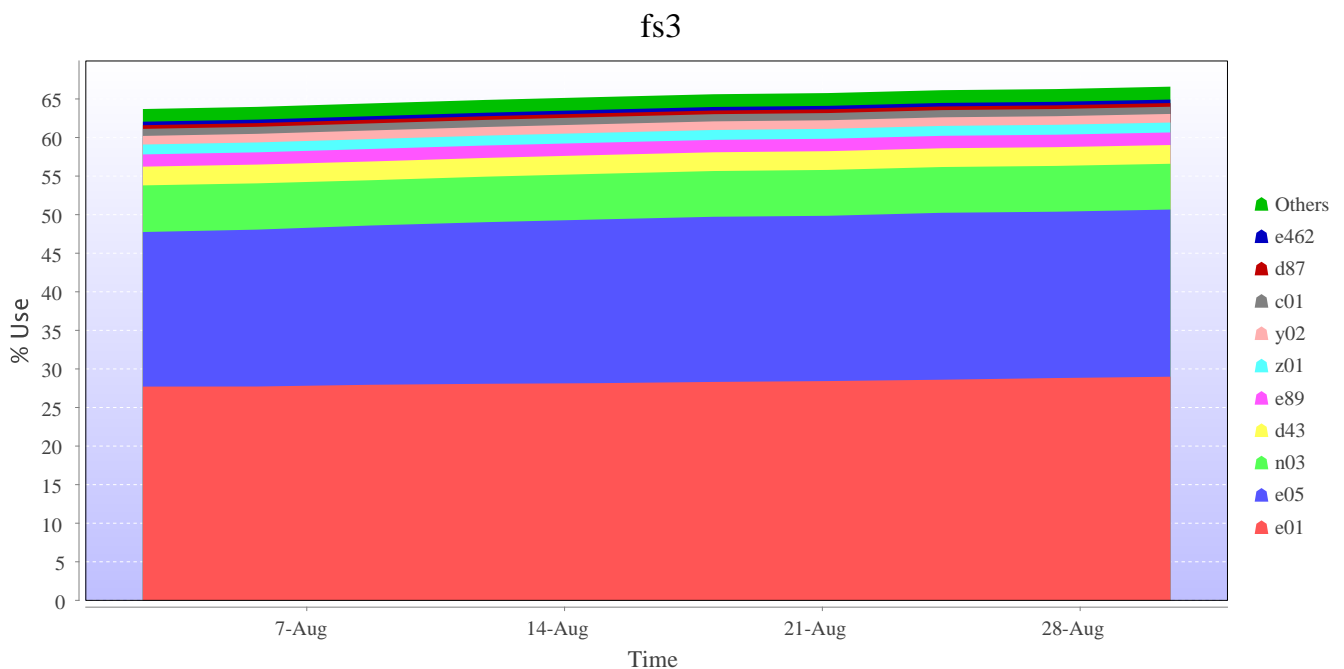
Disk usage for work (fs2)

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.



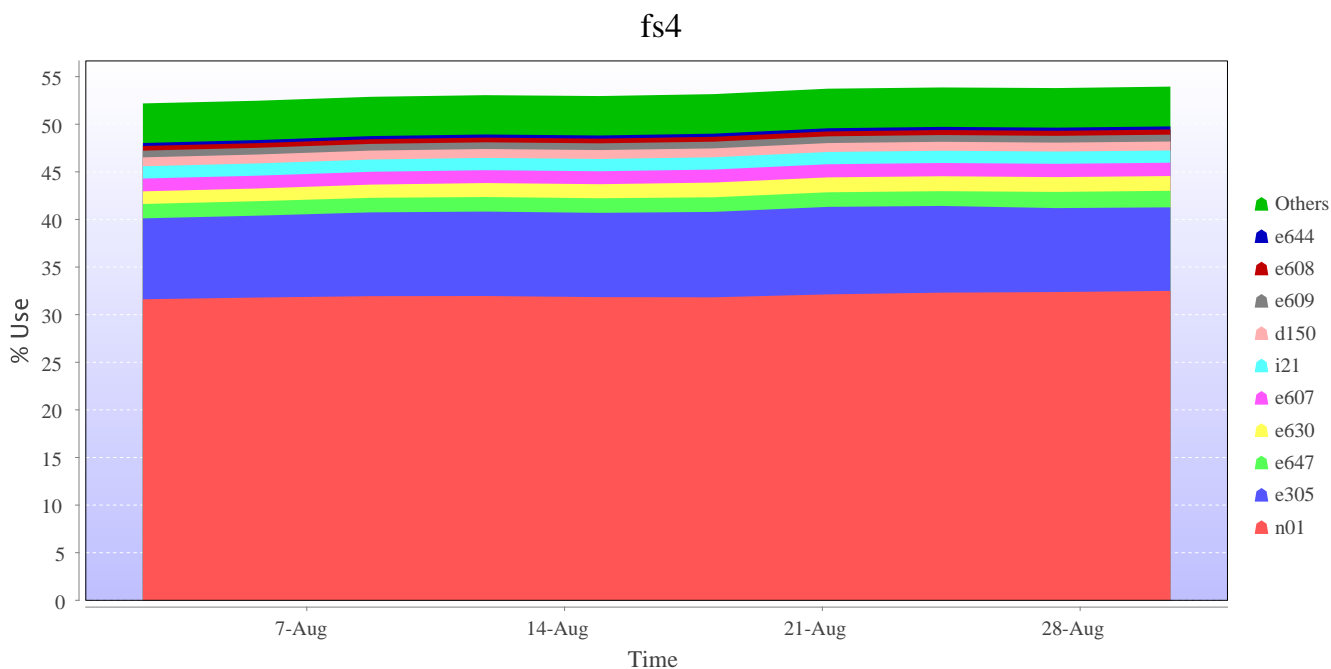
Disk usage for work (fs3)

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.



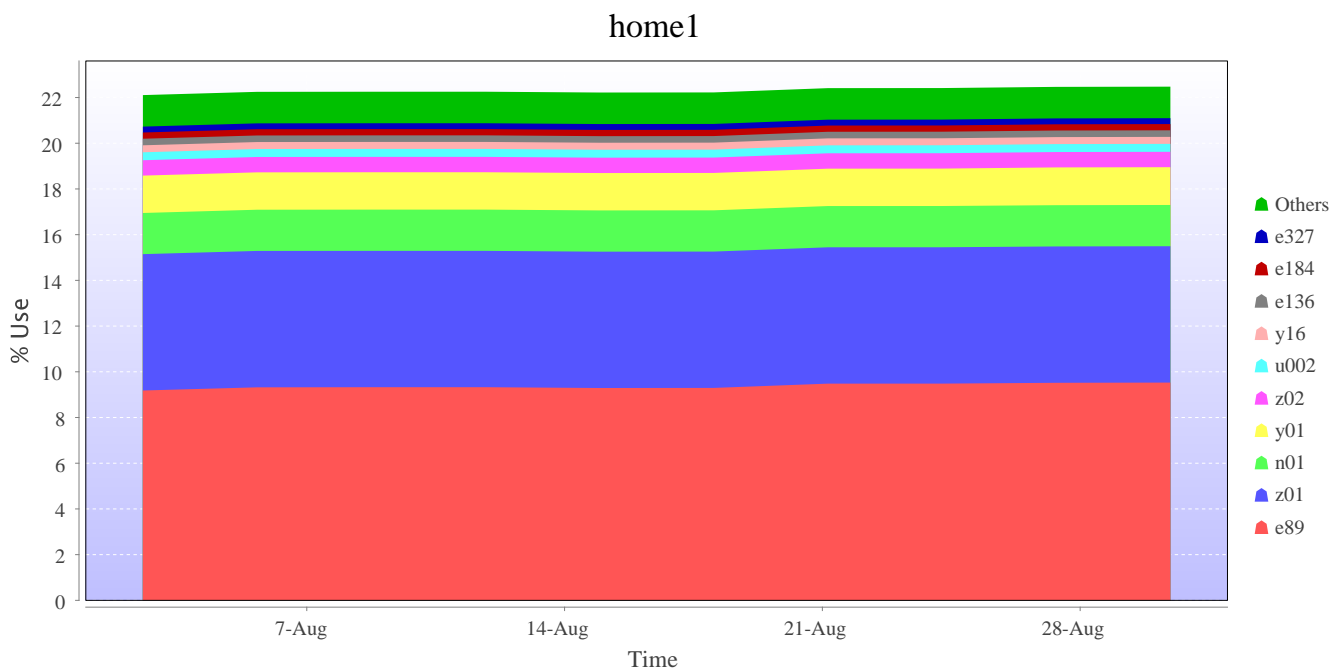
Disk usage for work (fs4)

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.



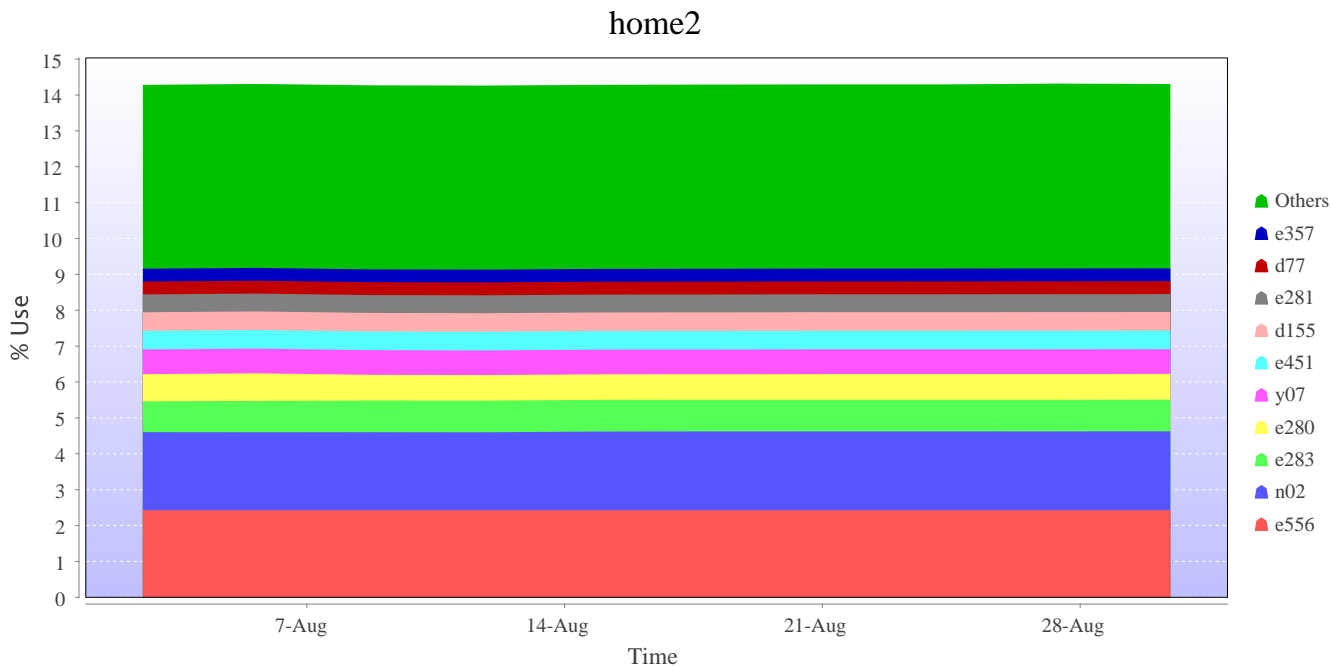
Disk usage for home (home1)

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.



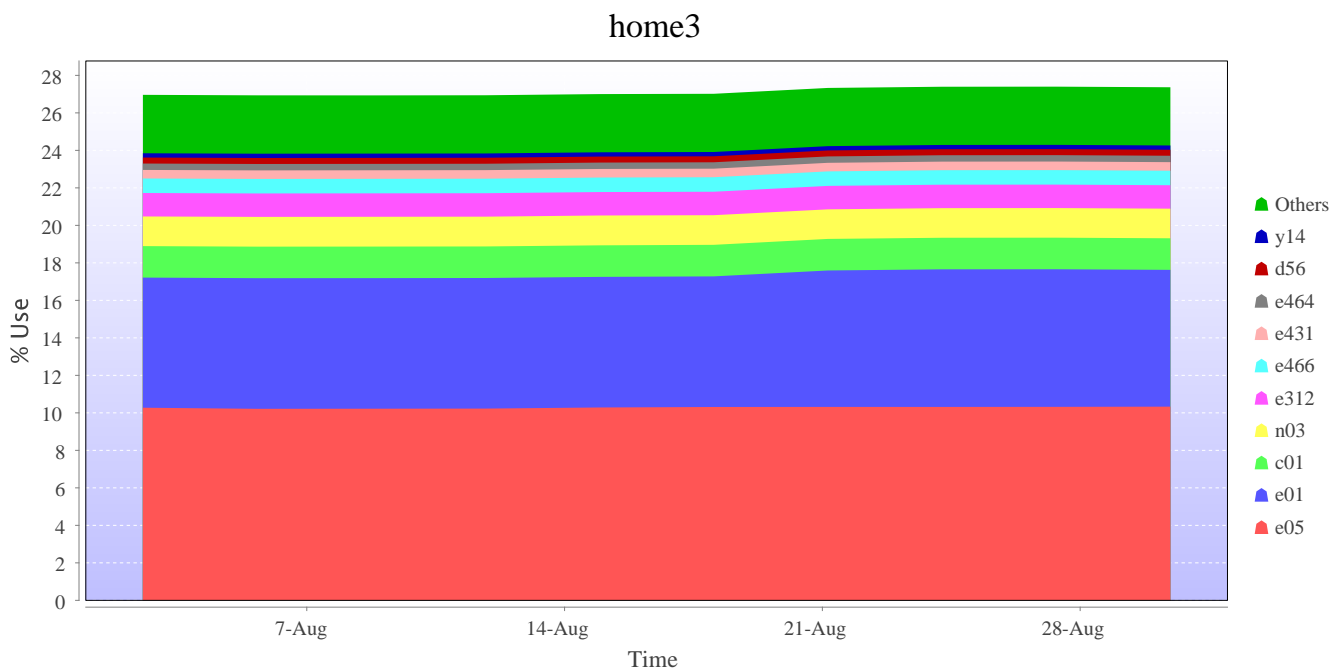
Disk usage for home (home2)

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.



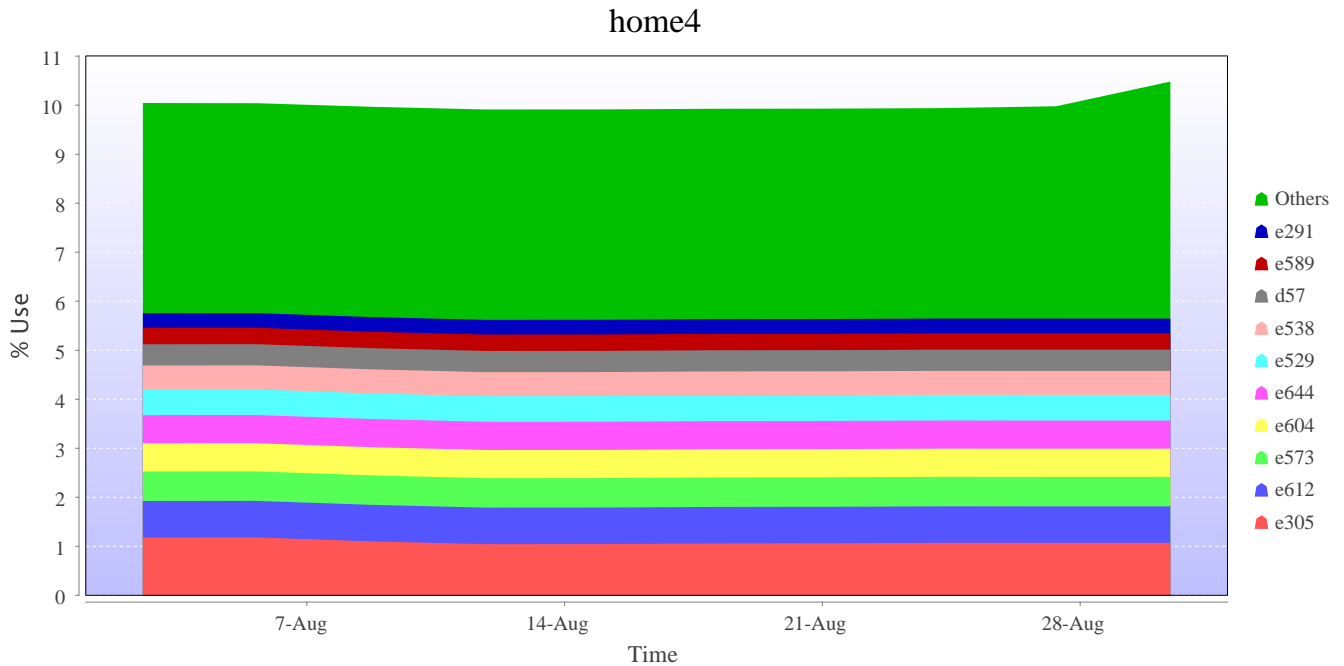
Disk usage for home (home3)

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.



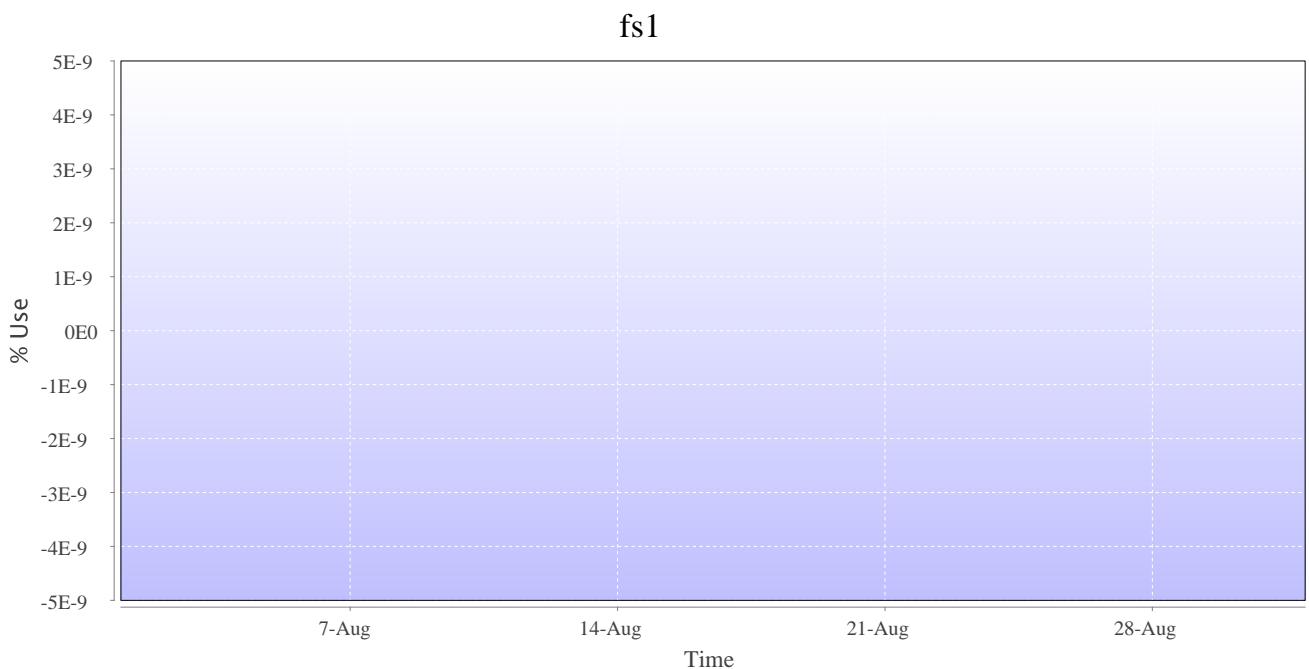
Disk usage for home (home4)

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.



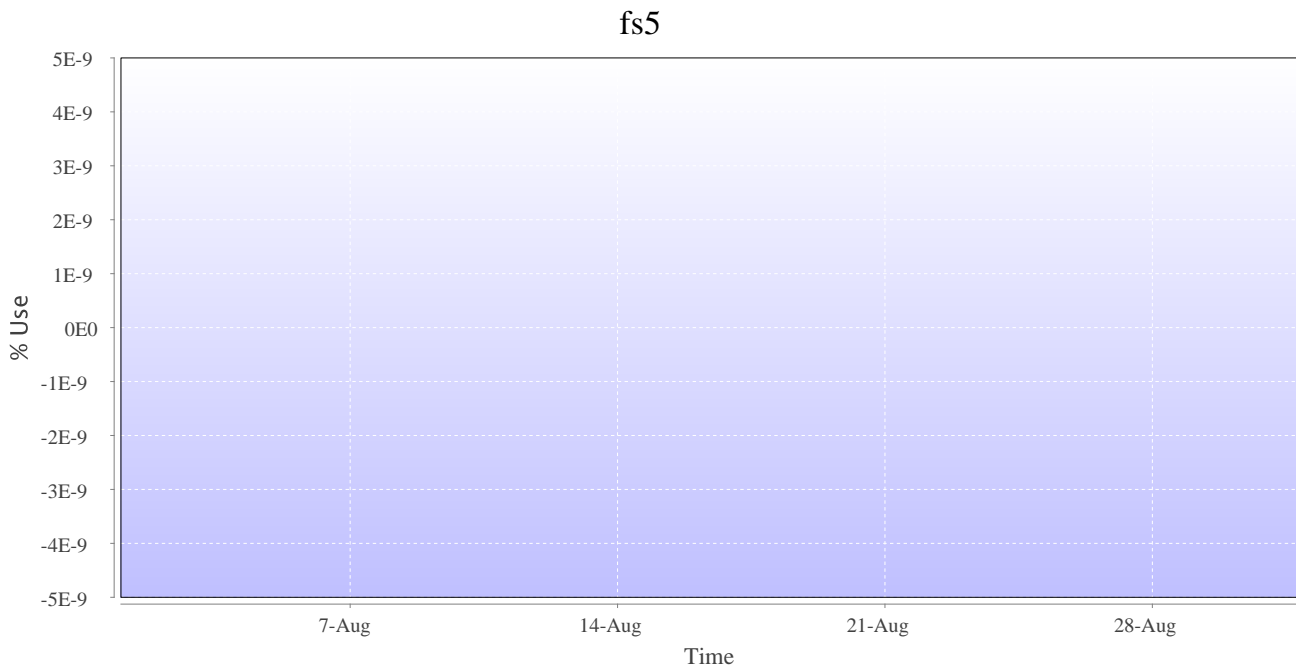
Disk usage for tdswork (fs1)

This is a plot of Disk Use on fs1 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.



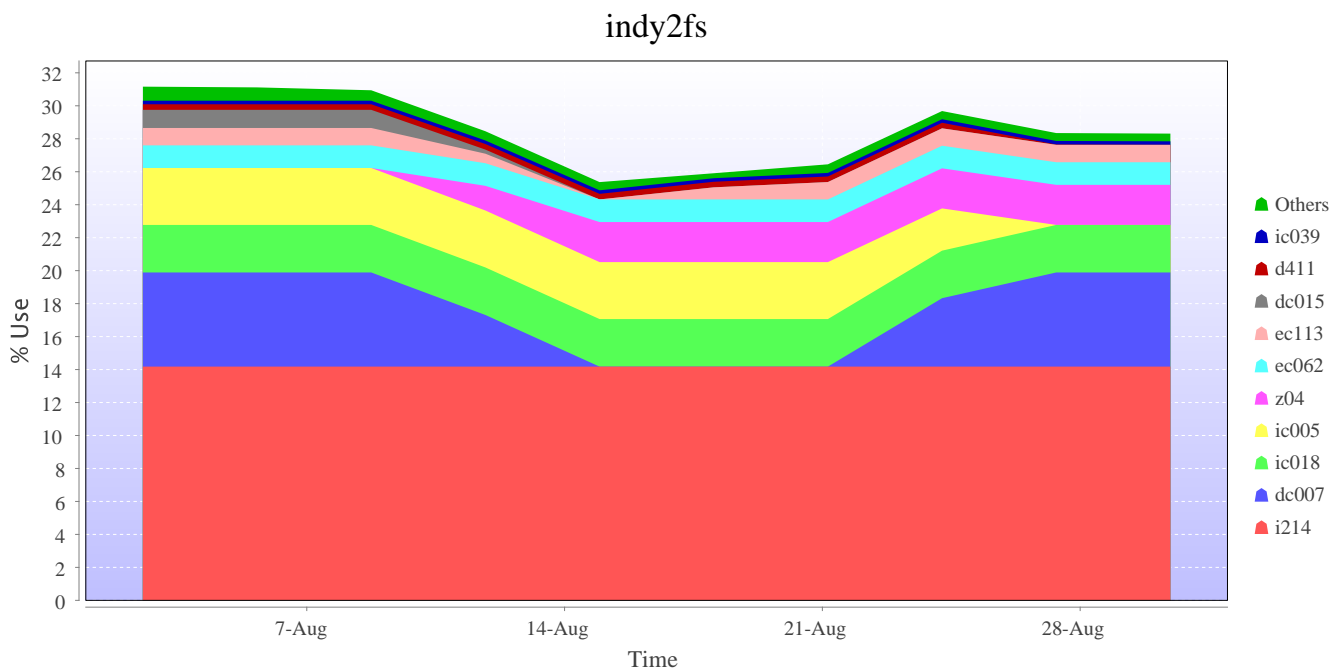
Disk usage for knlwork (fs5)

This is a plot of Disk Use on fs5 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 (indy2fs)

This is a plot of Disk Use on indy2fs 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 (archer2-tds-work)

This is a plot of Disk Use on archer2-tds-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.

