



Computing Cluster Usage Visualization Tool



Prometheus - Cluster Computer Cluster utilization

January 2013

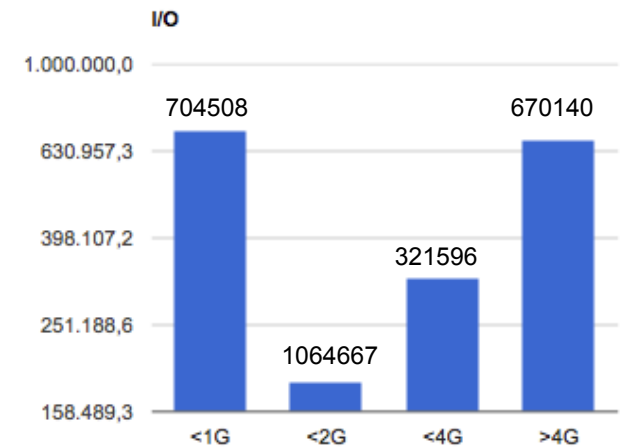
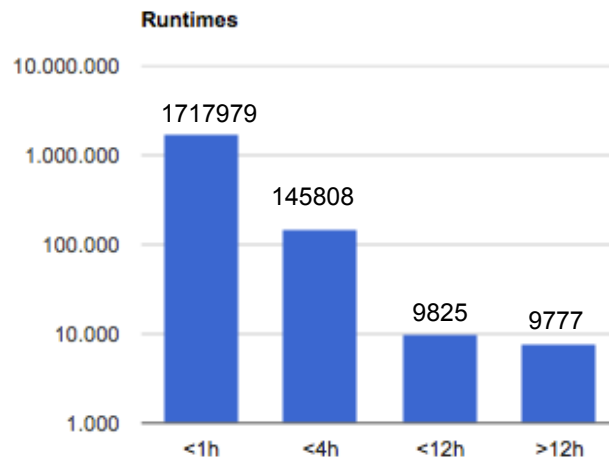
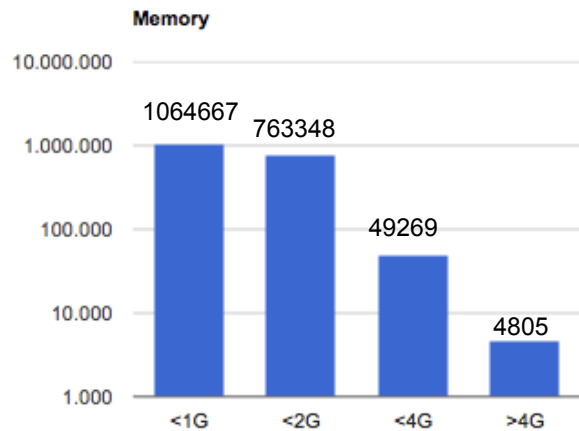
01.01. – 31.01.

Groups

| User | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O | cluster utilization |
|-------|----------------|-------------|----------|---------|-------------|----------|---------------------|
| alice | 1881589 | 233778 | 823kh | 961kh | 115.23EBs | 7.56PB | 20% |
| hades | 311840 | 6632 | 80kh | 101kh | 158.25PBs | 2.88PB | 2% |
| kp2 | 5210 | 1287 | 13kh | 14kh | 41.53PBs | 144.4TB | 0% |
| ufk | 175954 | 412 | 35kh | 36kh | 130.55PBs | 574.34TB | 0% |
| bhs | 1928 | 635 | 36kh | 3kh | 48.36PBs | 598.38GB | 0% |
| cbm | 26066 | 1 | 65kh | 66kh | 172.88PBs | 377.87TB | 1% |
| had1 | 300 | 100 | 314h33m | 316h23m | 954.82TBs | 7.08GB | 0% |
| hpc | 8511 | 0 | 0s | 142h36m | 0.0Bs | 253.75MB | 0% |
| rz | 4311 | 1586 | 172h44m | 1kh | 286.27TBs | 9.7GB | 0% |
| the | 46676 | 3874 | 65kh | 71kh | 16.43EBs | 2.9PB | 1% |
| him | 160 | 106 | 23kh | 1kh | 118.41PBs | 18.99GB | 0% |
| fn | 84 | 64 | 1kh | 115h46m | 2.81PBs | 163.85GB | 0% |

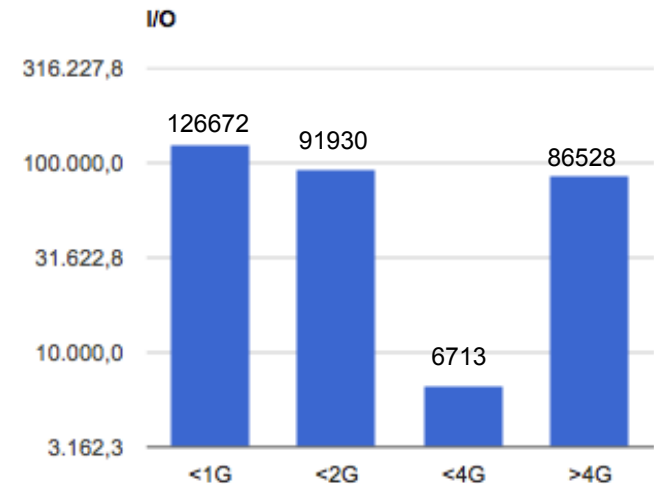
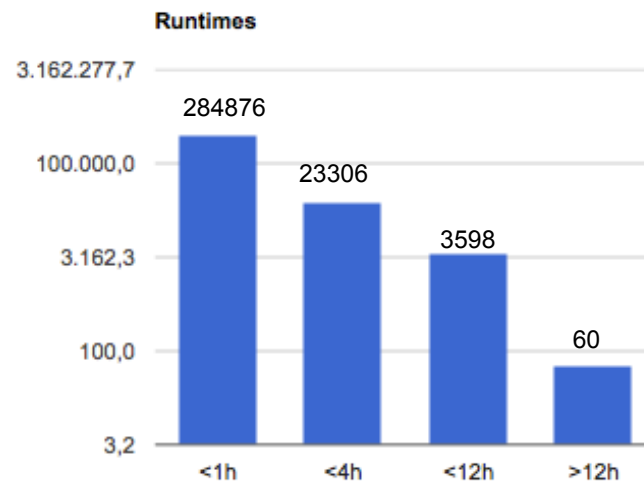
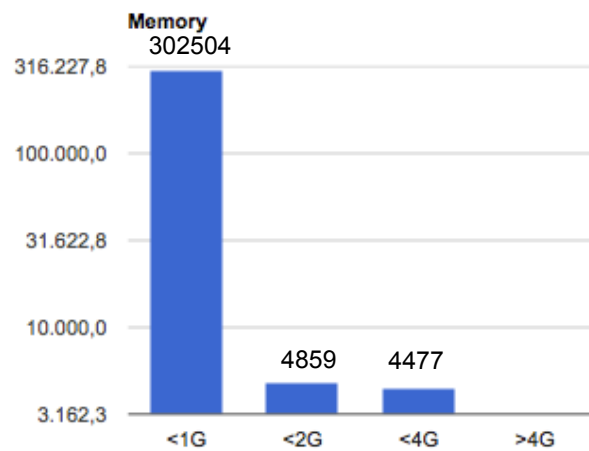
alice

| User/Group-name | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O | available runtime | cluster utilization |
|-----------------|----------------|-------------|----------|---------|-------------|--------|-------------------|---------------------|
| alice | 1881589 | 233778 | 823kh | 961kh | 115.23EBs | 7.56PB | 4734kh | 20% |



hades

| User/Group-name | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O | available runtime | cluster utilization |
|-----------------|----------------|-------------|----------|---------|-------------|--------|-------------------|---------------------|
| hades | 311840 | 6632 | 80kh | 101kh | 158.25PBs | 2.88PB | 4734kh | 2% |



Users A - F

| User | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O |
|----------|----------------|-------------|----------|---------|-------------|----------|
| akalweit | 612 | 1 | 153h18m | 166h20m | 519.41TBs | 2.94TB |
| alice-st | 16 | 0 | 14h34m | 14h45m | 41.41TBs | 75.87GB |
| anielski | 9730 | 5 | 2kh | 2kh | 5.79PBs | 41.75TB |
| bailhach | 3012 | 616 | 3kh | 3kh | 8.94PBs | 42.05TB |
| bhess | 89297 | 162 | 88kh | 100kh | 32.28EBs | 985.43TB |
| bneuburg | 8511 | 0 | 0s | 142h36m | 0.0Bs | 253.75MB |
| briese | 10 | 5 | 30h20m | 30h28m | 122.62TBs | 79.77GB |
| bsahlm | 44402 | 8 | 4kh | 4kh | 11.88PBs | 173.78TB |
| cbaumann | 114325 | 78191 | 49kh | 50kh | 176.97PBs | 367.49TB |
| cbehneke | 35304 | 467 | 1kh | 3kh | 1.17PBs | 50.4TB |
| cdritsa | 5333 | 1006 | 6kh | 7kh | 13.3PBs | 28.4TB |
| cfranco | 102763 | 2509 | 3kh | 6kh | 4.04PBs | 172.12TB |
| christis | 35709 | 98 | 40kh | 43kh | 122.55PBs | 545.96TB |
| cpreuss | 8 | 1 | 36s | 17m21s | 11.0GBs | 794.82KB |
| ddjukan | 160 | 106 | 23kh | 1kh | 118.41PBs | 18.99GB |
| dlohner | 3401 | 0 | 2kh | 2kh | 6.99PBs | 59.21GB |
| ebelolap | 1000 | 0 | 5h22m | 6h36m | 2.91TBs | 2.68TB |
| ekrebs | 17023 | 0 | 213h48m | 773h13m | 105.65TBs | 292.78GB |
| fbock | 1272 | 0 | 671h56m | 701h48m | 2.49PBs | 10.82TB |
| fischer | 2113 | 1479 | 11kh | 1kh | 73.56PBs | 38.73TB |
| freidt | 284 | 0 | 63h53m | 70h59m | 230.93TBs | 1.73TB |

Jobs failed:

Indicates the problem which occurred in case a job could not be started on the execution host

CPUA time:

The cpu time usage

Runtime:

The complete running time from all Jobs

Memory used:

The used memory from all Jobs

I/O:

The amount of data transferred in input/output operations.

Users G - L

| User | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O |
|-----------|----------------|-------------|----------|---------|-------------|----------|
| galatyuk | 2770 | 0 | 215h22m | 1kh | 250.14TBs | 9.28TB |
| giuliano | 500 | 0 | 3h2m | 12h0m | 0.0Bs | 19.93MB |
| gromliuk | 300 | 100 | 314h33m | 316h23m | 954.82TBs | 7.08GB |
| harabasz | 47199 | 24 | 4kh | 8kh | 9.88PBs | 94.05TB |
| hht | 2 | 1 | 0s | 0s | 0.0Bs | 0.0B |
| jklein | 1228 | 9 | 562h29m | 589h19m | 1.75PBs | 7.18TB |
| jknedlik | 4303 | 1585 | 172h43m | 1kh | 286.26TBs | 9.7GB |
| jonderw | 102034 | 15202 | 28kh | 29kh | 95.04PBs | 431.21TB |
| jthaeeder | 19297 | 6 | 8kh | 9kh | 35.18PBs | 134.21TB |
| jtscheus | 45617 | 4885 | 60kh | 61kh | 155.4PBs | 43.78TB |
| julery | 17954 | 4935 | 33kh | 33kh | 130.9PBs | 50.9TB |
| kisselan | 5200 | 1282 | 13kh | 14kh | 41.41PBs | 144.32TB |
| koenig | 6350 | 246 | 12kh | 12kh | 27.24PBs | 28.61TB |
| lenhardt | 10 | 4 | 0s | 8s | 0.0Bs | 377.49KB |
| lhuther | 937 | 298 | 422h2m | 477h18m | 259.17TBs | 885.84GB |
| lshestov | 26 | 21 | 0s | 6s | 0.0Bs | 3.15KB |
| lsilva | 657 | 41 | 1kh | 1kh | 2.77PBs | 141.42TB |

Jobs failed:

Indicates the problem which occurred in case a job could not be started on the execution host

CPUA time:

The cpu time usage

Runtime:

The complete running time from all Jobs

Memory used:

The used memory from all Jobs

I/O:

The amount of data transferred in input/output operations.

Users M - R

| User | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O |
|----------|----------------|-------------|----------|---------|-------------|----------|
| marland | 70524 | 1638 | 1kh | 7kh | 6.34PBs | 261.84TB |
| mfasel | 52 | 24 | 5h52m | 8h57m | 46.08TBs | 62.04GB |
| mheide | 278383 | 84462 | 67kh | 70kh | 16.29EBs | 437.41TB |
| mknichel | 53564 | 24 | 33kh | 40kh | 119.03PBs | 466.94TB |
| mkrzewic | 31772 | 7645 | 75kh | 128kh | 692.01PBs | 743.62TB |
| mlorenz | 1 | 0 | 1s | 6s | 0.0Bs | 26.08MB |
| mmarquar | 997 | 6 | 817h14m | 853h55m | 2.82PBs | 10.98TB |
| mvoelkl | 326721 | 49 | 119kh | 133kh | 16.41EBs | 759.22TB |
| mwilde | 305002 | 24829 | 139kh | 145kh | 16.49EBs | 1.41PB |
| mwinn | 6938 | 197 | 3kh | 4kh | 18.94PBs | 17.18TB |
| nicassio | 20 | 19 | 13m15s | 18m2s | 1003.0GBs | 3.23GB |
| obusch | 1110 | 0 | 416h38m | 437h26m | 1.87PBs | 5.58TB |
| olgapech | 68 | 19 | 145h18m | 146h13m | 289.54TBs | 560.83GB |
| osvoboda | 2 | 2 | 0s | 0s | 0.0Bs | 0.0B |
| pachmay | 12917 | 26 | 4kh | 20kh | 16.01EBs | 238.93TB |
| pgoergen | 486 | 245 | 26kh | 2kh | 39.31PBs | 537.44GB |
| rkotte | 2423 | 0 | 2kh | 2kh | 2.71PBs | 162.14TB |

Jobs failed:

Indicates the problem which occurred in case a job could not be started on the execution host

CPUA time:

The cpu time usage

Runtime:

The complete running time from all Jobs

Memory used:

The used memory from all Jobs

I/O:

The amount of data transferred in input/output operations.

Users S- Z

| User | Jobs submitted | Jobs failed | CPU time | Runtime | Memory used | I/O |
|-----------|----------------|-------------|----------|---------|-------------|----------|
| sellheim | 38472 | 1214 | 12kh | 15kh | 29.13PBs | 624.7TB |
| sfaik | 56 | 42 | 1kh | 115h46m | 2.81PBs | 163.85GB |
| sheckel | 8019 | 0 | 7kh | 8kh | 22.87PBs | 70.84TB |
| slebedev | 18800 | 0 | 46kh | 47kh | 127.71PBs | 319.84TB |
| sma | 83196 | 2070 | 23kh | 25kh | 16.1EBs | 183.58TB |
| sschuchm | 175954 | 412 | 35kh | 36kh | 130.55PBs | 574.34TB |
| sudol | 15429 | 72 | 4kh | 5kh | 7.52PBs | 14.66TB |
| sweber | 144835 | 1745 | 17kh | 17kh | 51.0PBs | 183.13TB |
| tbroecker | 884 | 11 | 126h4m | 131h45m | 446.9TBs | 2.98TB |
| tneff | 43626 | 2097 | 53kh | 69kh | 16.36EBs | 2.86PB |
| tscheib | 27681 | 1012 | 20kh | 24kh | 24.32PBs | 1.21PB |
| uwesterh | 578 | 111 | 409h55m | 448h53m | 2.25PBs | 2.53TB |
| vassilie | 6266 | 1 | 18kh | 19kh | 45.16PBs | 55.35TB |
| wiechula | 28301 | 36 | 1kh | 8kh | 5.32PBs | 17.77TB |
| wpark | 623 | 623 | 0s | 0s | 0.0Bs | 0.0B |
| zlecZ | 43 | 34 | 5kh | 369h46m | 5.89PBs | 57.6GB |

Jobs failed:

Indicates the problem which occurred in case a job could not be started on the execution host

CPUA time:

The cpu time usage

Runtime:

The complete running time from all Jobs

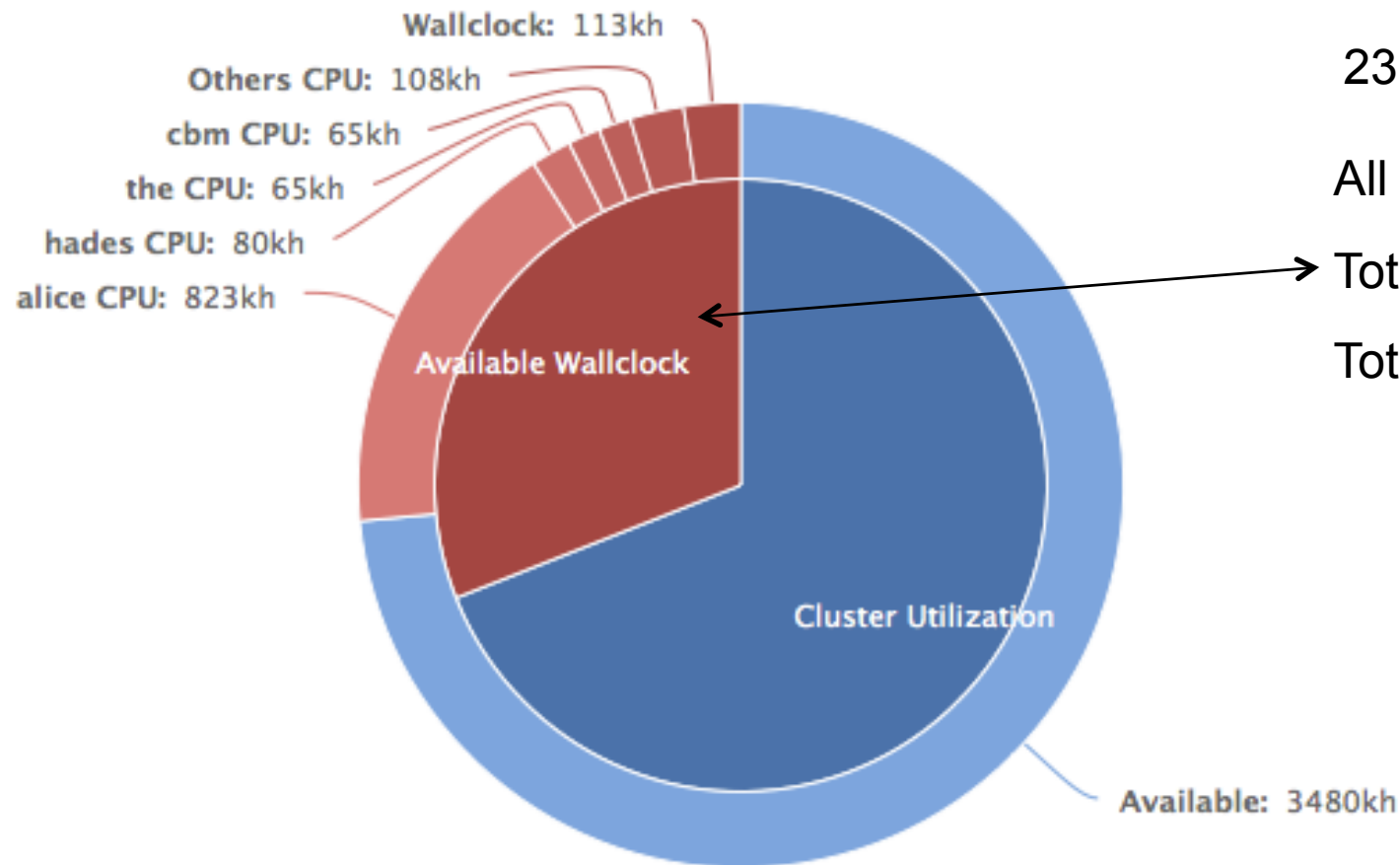
Memory used:

The used memory from all Jobs

I/O:

The amount of data transferred in input/output operations.

Summary



23% - 26% utilization

All groups:

Total Runtime: 1254kh

Total CPU-Time: 1141kh