

| | | 20k connections @10k req/s | | | |
|---|------------|----------------------------|----------|----------|----------|
| Server machine | | #1 | #2 | | |
| Ubuntu version | | 12.04.2 | 12.04.5 | | |
| Erlang version | | R16B | R16B03-1 | 17.4 | 18.2.1 |
| CloudI version | | 1.2.2 | 1.4.0 | | 1.5.1 |
| cowboy (HTTP server) version | | 0.8.2 | 1.0.1 | | |
| CloudI configuration | | default | default | default | default |
| latency mean max (msec) * | erlang | 22.667 | 3.068 | 3.325 | 2.787 |
| | c | 26.642 | 3.537 | 3.659 | 3.209 |
| | java | 33.091 | 3.891 | 3.802 | 3.761 |
| | javascript | N/A | 5741.407 | 6026.891 | 6095.646 |
| | perl | N/A | 1578.009 | 2471.074 | 2688.923 |
| | php | N/A | 2339.356 | 2476.947 | 2689.048 |
| | python_c | 194.918 | 6.215 | 6.038 | 5.474 |
| | python | 3205.403 | 1679.848 | 1786.602 | 2056.091 |
| | ruby | 3560.237 | 1776.780 | 1912.807 | 2086.755 |
| latency max sample (msec) * | erlang | 161.376 | 22.945 | 3005.224 | 2998.688 |
| | c | 134.890 | 27.245 | 3005.739 | 3000.248 |
| | java | 153.392 | 30.720 | 3009.641 | 3003.869 |
| | javascript | N/A | 5815.100 | 8794.870 | 6201.819 |
| | perl | N/A | 1709.995 | 2587.490 | 2774.764 |
| | php | N/A | 2445.736 | 2568.866 | 5637.640 |
| | python_c | 355.323 | 42.447 | 3007.678 | 3000.703 |
| | python | 3335.691 | 1835.434 | 1941.837 | 2141.991 |
| | ruby | 3691.788 | 1927.440 | 4790.256 | 2179.397 |
| peak throughput sustained (req/s) (max sustained within 10% of peak for at least 1 minute) | erlang | 10197.3 | 10143.6 | 10303.3 | 10164.9 |
| | c | 10079.7 | 10154.8 | 10140.7 | 10210.9 |
| | java | 10063.1 | 10141.0 | 10040.5 | 10350.2 |
| | javascript | N/A | 3090.2 | 3015.1 | 2926.3 |
| | perl | N/A | 6140.3 | 6111.4 | 4978.0 |
| | php | N/A | 5233.5 | 5003.0 | 5048.5 |
| | python_c | 9676.8 | 10180.8 | 10253.7 | 10158.4 |
| | python | 6656.2 | 6133.4 | 5962.4 | 5771.4 |
| | ruby | 6537.4 | 6097.4 | 5886.0 | 5750.3 |

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| CloudI configuration | | default | default | default | default |
| CPU (highest 10 second mean) | erlang | 66.93% | 62.74% | 64.51% | 68.22% |
| | c | 73.91% | 68.31% | 69.87% | 73.79% |
| | java | 79.20% | 70.81% | 71.44% | 76.11% |
| | javascript | N/A | 45.13% | 44.72% | 47.02% |
| | perl | N/A | 59.78% | 61.43% | 62.15% |
| | php | N/A | 61.41% | 60.28% | 59.56% |
| | python_c | 84.25% | 74.24% | 76.56% | 81.04% |
| | python | 63.58% | 60.64% | 61.36% | 62.61% |
| | ruby | 62.89% | 61.47% | 62.20% | 64.79% |
| Memory (largest 10 second mean difference, in MB) | erlang | 2869.0 | 661.3 | 1230.2 | 1144.9 |
| | c | 3044.9 | 961.2 | 1217.3 | 1364.7 |
| | java | 2944.3 | 710.2 | 1451.6 | 1216.0 |
| | javascript | N/A | 1425.1 | 1442.5 | 1219.8 |
| | perl | N/A | 935.1 | 1555.5 | 1118.0 |
| | php | N/A | 1218.3 | 822.5 | 1161.9 |
| | python_c | 2944.3 | 1019.7 | 1560.0 | 1326.4 |
| | python | 3680.7 | 921.4 | 1439.2 | 1311.3 |
| | ruby | 3551.6 | 835.3 | 1434.1 | 1181.2 |
| Load Average (highest 10 second mean) | erlang | 6.1 | 1.2 | 1.2 | 1.1 |
| | c | 7.7 | 1.1 | 1.2 | 1.1 |
| | java | 8.0 | 1.5 | 1.4 | 1.7 |
| | javascript | N/A | 1.2 | 1.2 | 1.1 |
| | perl | N/A | 1.1 | 1.2 | 1.3 |
| | php | N/A | 1.4 | 1.2 | 1.2 |
| | python_c | 8.0 | 1.2 | 1.2 | 1.2 |
| | python | 5.5 | 1.4 | 1.2 | 1.2 |
| | ruby | 5.5 | 1.2 | 1.1 | 1.3 |