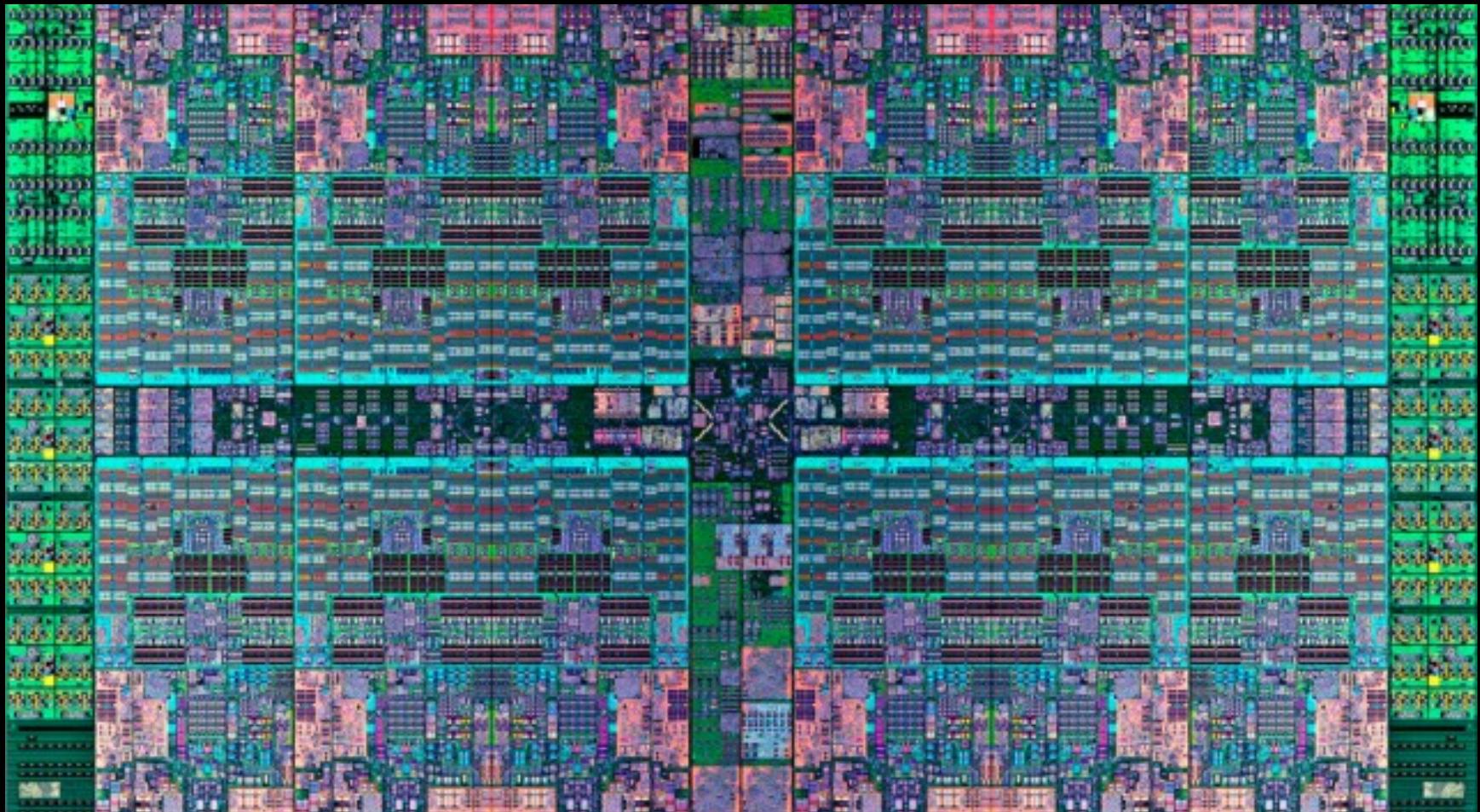


Long Live POWER8



POWER8 Servers

- IBM released on October 3 the newest POWER8-based servers
 - Each core supports 8 simultaneous threads
 - 96 MB L3, 128 MB L4 cache
- Mid-range: S822L and S824L
 - Up to two 12-core POWER8 processors
 - Feature CAPI slot
- Enterprise: E870 and E880
 - Up to eight, sixteen 12-core processors
 - 1536 concurrent threads
 - Maximum of 16 TB of memory

Performance

- Claims 2x the performance per core on SPECjbb2013 and SPECfp_rate2006
 - POWER8, 4.19 GHz
 - Intel Xeon E7-4890 v2
 - SPARC T5
- 20 percent better price/performance than Intel offerings
 - Based on SPEC CPU2006 and SPECfp_rate2006

Sources

- <http://www.extremetech.com/extreme/191453-ibm-unveils-new-power8-servers-in-last-gasp-effort-to-battle-intels-x86-dominion>
- <http://www-03.ibm.com/press/us/en/pressrelease/45006.wss>
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- <http://www.infoworld.com/article/2611795/processors/ibm-s-new-power8-doubles-performance-of-watson-chip.html>