



HP Integrity Superdome delivers superior SPECint_rate2000 and SPECfp_rate2000P^{2P} performance with HP-UX 11i v2 over largest systems from Sun and IBM

The NEW HP Integrity Superdome



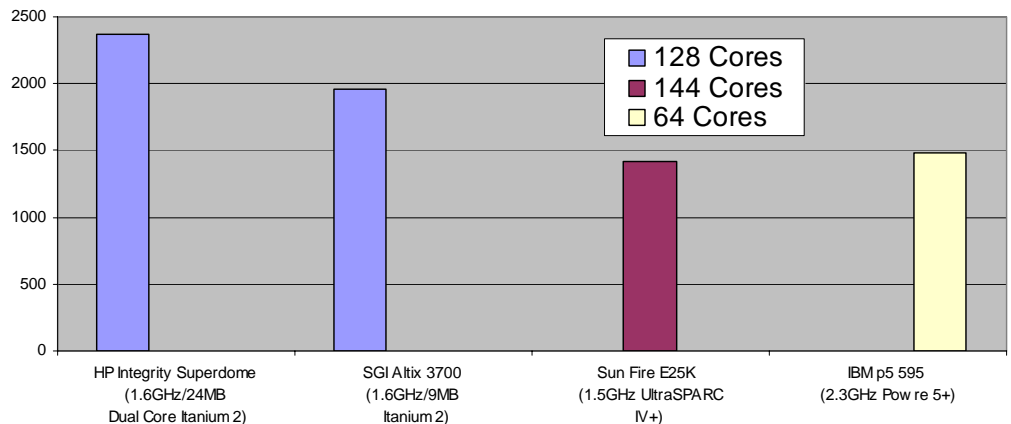
Superior Performance

- ~2X faster in performance than the Sun SunFire 72p/144c and 20% better than SGI's Altix 3700 128p/128c result for SPECint_rate2000.
- 4% faster in SPECfp_rate2000 than SGI's Altix 4700 Density System using the same Intel Itanium 2 processor.

A full disclosure report describing these benchmark results has been filed with the Standard Performance Evaluation Corporation (SPEC). This report describes the benchmark HW and SW configuration in detail. Similar reports from other vendors are the source of the comparisons provided above. Summaries of all tests are published by the SPEC and on the Internet on the SPEC's World Wide Web Server. With these benchmarks, customers can objectively compare the performance of different vendors' servers in specific areas.

Combined with the processor-enhancing capabilities of HP's Super-Scalable Processor Chipset sx2000, the HP Integrity Superdome server delivers outstanding performance, scalability, and simplified management at an exceptional value. With its latest SPECint_rate2000 and SPECfp_rate2000 benchmarks announced in July 2006, the HP Integrity Superdome with the dual-core Intel® Itanium® 2 processor, demonstrates a superior level of performance, functionality, and value within enterprise class high-end servers. The HP Integrity Superdome with dual-core Itanium 2 processors SPECint_rate2000 result of 2367 is higher than any other 128 core system¹, and is higher than the SPECint_rate2000 results for the largest systems from Sun and IBM. The SPECfp_rate2000 result of 2837 is superior to SGI's Density optimized Altix 4700 with the same number of cores, and is faster than the largest systems from IBM.

SPECint_rate2000 (Base)



SPECfp_rate2000 (Base)

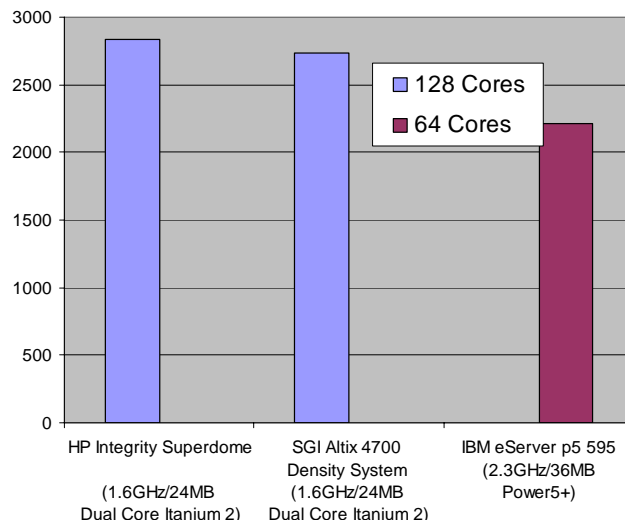


Figure 1. The HP Integrity Superdome 64p/128c Server with Dual-Core Itanium 2, surpasses the Altix 3700 128p AND Sun SunFire E25K 72p in SPECint_rate_base2000 and surpasses SGI Density optimized Altix 4700 64p AND the IBM p5 595 32p in SPECfp_rate2000.

¹

Table 1. Configurations of Integrity Superdome competitors

HP Integrity Superdome. 2,367 SPECint_rate_base2000; 2,837 SPECfp_rate_base2000

64 processors/128 cores/256 threads. Dual-Core Itanium®2@ 1.6GHz. 24MB cache. 128GB RAM. HP-UX 11i v2.

SGI Altix 3700. 1,956 SPECint_rate_base2000.

128 processors/128 cores/128 threads. Intel® Itanium® 2 1.6GHz. 6MB L3 cache, 256GB RAM. SGI ProPack(TM) v3.0 Service Pack 1. **The Integrity Superdome is almost 20% faster!**

SGI Altix 4700. 2,737 SPECfp_rate_base2000.

64 processors/128 cores/128 threads (dense configuration on SGI Altix 4700). Dual-Core Intel Itanium 2 1.6GHz. 24MB L3 cache, 256GB RAM. SGI ProPack(TM) v4.0 Service Pack 3. **The Integrity Superdome is almost 4% faster with the same processor (Intel Itanium 2 1.6GHz/24MB)!**

IBM p5 595. 2,215 SPECfp_rate_base2000.

32 processors/64 cores/128 threads. Power5+ 2.3GHz. 36 MB L3 cache, 256GB RAM. AIX 5L V5.3. **The Integrity Superdome is 28% faster!**

IBM p5 595. 1,488 SPECint_rate_base2000.

32 processors/64 cores/128 threads. Power5+ 2.3GHz. 36 MB L3 cache, 256GB RAM. AIX 5L V5.3. **The Integrity Superdome is 60% faster!**

Sun SunFire E25K. 1,413 SPECint_rate_base2000.

72 processors/144 cores UltraSPARC IV+ 1.8GHz. 32 MB L3 cache, 288 GB RAM. Solaris 10. **The Integrity Superdome is 95% faster!**

¹ SPECint_rate2000 and SPECfp_rate2000 comparisons are based on results published as of September 11, 2006.

² Comparison with dense configuration of SGI Altix 4700

SPEC, SPECfp, and SPECint are registered trademarks of the System Performance Evaluation Corporation. For more information visit <http://www.spec.org>.

2006 Hewlett-Packard Company. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Intel is a trademark or registered trademark of Intel Corporation or its subsidiaries in the United States and other countries. Linux is a U.S. registered trademark of Linus Torvalds. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.