



HP Integrity Superdome achieves highest 128c SPECjbb2005 performance result with HP-UX 11i v2 and Java™ HotSpot 1.5 JVM

HP Integrity Superdome



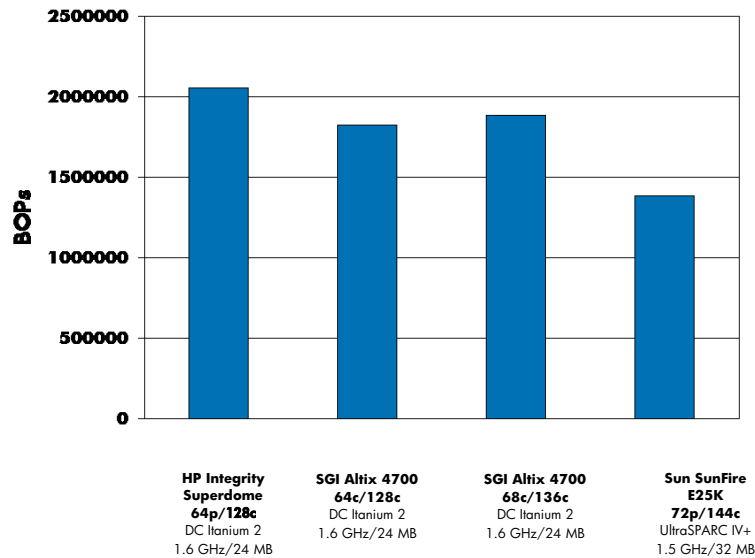
Delivers exceptional performance for Java business applications

About SPEC

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 SPEC and on the SPEC Web site. 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 delivers outstanding performance, scalability, and simplified management at an exceptional value. With its SPECjbb2005 benchmark, announced in September 2006, the HP Integrity Superdome with 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 SPECjbb2005 result of 2,054,864 BOPs is higher than any other 128-core system and is higher than the SPECjbb2005 results for the largest systems from Sun.



With the September 2006 benchmark publication, the HP Integrity Superdome surpassed all previous 64p/128c SPECjbb2005 results.

■ **#1 64p/128c SPECjbb2005 with HP Integrity Superdome: 2,054,864 BOPs**

■ **Outperformed:**

- SGI Altix 4700 dual-core Itanium 2 64p/128c result
- SGI Altix 4700 dual-core Itanium 2 68p/136c result
- Sun SunFire E25K UltraSPARC IV+ 72p/144c result

Note: IBM has not published 64p SPECjbb2005 results.



Table 1. The HP Integrity Superdome vs. SGI and Sun SPECjbb2005 benchmark configurations

System configuration	BOPs	BOPs/core	OS/JVM	
HP Integrity Superdome Itanium 1.6 GHz dual-core 64 processor/128 cores 24 MB L3 cache	2,054,864	16,053	HP-UX 11i v2 and HP Hotspot 1.5.0.05 Server VM	
SGI Altix 4700 Itanium 1.6 GHz dual-core 64 processor/128 cores 24 MB L3 cache	1,887,226	14,744	SUSE Linux Enterprise Server 9 and BEA JRockit(R) 5.0	HP Integrity Superdome is 9% faster with the same dual-core Itanium 2 processor.
SGI Altix 4700 Itanium 1.6 GHz dual-core 68 processor/136 cores 24 MB L3 cache	2,003,477	14,731	SUSE Linux Enterprise Server 9 and BEA JRockit(R) 5.0	HP Integrity Superdome is ~3% faster with 6% fewer cores.
Sun SunFire E25K UltraSPARC IV+ 1.5 GHz 72 processor/144 cores 32 MB L3 cache	1,387,437	9,635	Solaris 10 and Java HotSpot 1.5	HP Integrity Superdome is 1.5X faster with 12% fewer cores.

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