CINT2000 Result

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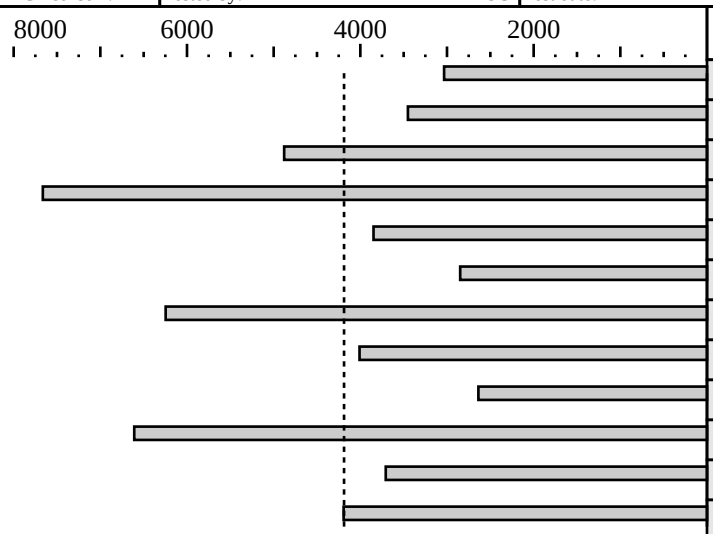
SGI

SGI Altix 4700 Bandwidth System (Itanium 2 Processor 9040 1.6GHz/18M)

SPECint_rate2000 = --

SPECint_rate_base2000 = 4188

SPEC license #: 4 | Tested by: SGI | Test date: Jan-2007 | Hardware Avail: Jul-2006 | Software Avail: Aug-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	256	137	3033			
175.vpr	256	120	3451			
176.gcc	256	67.0	4879			
181.mcf	256	69.7	7664			
186.crafty	256	77.2	3848			
197.parser	256	188	2848			
252.eon	256	61.8	6246			
253.perlbmk	256	133	4009			
254.gap	256	124	2638			
255.vortex	256	85.4	6609			
256.bzip2	256	120	3707			
300.twolf	256	212	4193			

Hardware

CPU:	Intel Dual-Core Itanium 2 Processor 9040 (533MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	256 cores, 128 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1-512 chips
Parallel:	No
Primary Cache:	16 KB (I) + 16 KB (D) on chip, per core
Secondary Cache:	1 MB (I) + 256 KB (D) on chip, per core
L3 Cache:	9 MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	4 TB (8*4GB DDR2-400 DIMMS per 2 core module)
Disk Subsystem:	16 x 37 GB FibreChannel (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SUSE Linux Enterprise Server 9 Service Pack 3 + SGI ProPack(TM) 4 Service Pack 3
Compiler:	Intel(R) C++ Compiler for Linux 9.1 (Build 20060818)
File System:	xfs
System State:	Multi-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -fast -auto_ilp32 +FDO
  C++ programs:     -fast -ansi_alias +FDO

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST
  253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_LINUX_IA64
  254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
  255.vortex: -DSPEC_CPU2000_LP64

Processes were bound to CPUs using dplace.
```