



Intel Corporation (Intel) commissioned Principled Technologies (PT) to compare the performance on Microsoft Windows Vista of an Intel vPro technology based PC with that of three other platforms on common predictive modeling and business intelligence scenarios. We tested a scenario that involves Microsoft Office Excel 2007. We compared the performance of the following four platforms on this scenario:

- Intel vPro technology with Intel Core 2 Duo processor E6700 on an Intel 965 (DQ965GF) motherboard
- Intel Pentium D processor 930 on an Intel D945GTP motherboard
- Intel Pentium 4 processor 630 on an Intel D945GTP motherboard
- Intel Pentium 4 processor on an Intel D865GBF motherboard

Scenario: recalculating business revenue using Microsoft Excel 2007

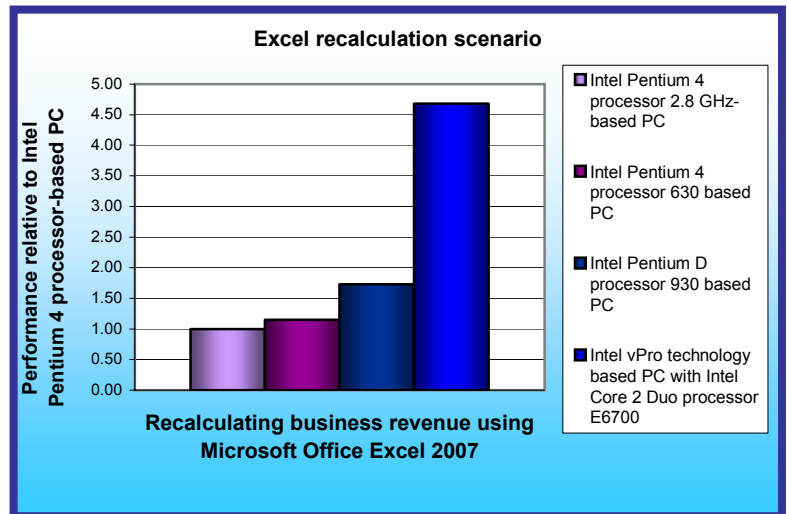
Brian Corcoran is a forensic accountant investigating a failed business that is the plaintiff in a shareholder class-action suit. He is examining the original spreadsheet the business used to estimate revenues over five years of its telecommunications services. The spreadsheet calculates revenues based on the number of T1 trunks and customers and the penetration of voice, call management, and multimedia services. Brian recalculates the Excel spreadsheet to see how the various models it employs compare to the actual revenues of the company.

The Intel vPro technology-based PC with the Intel Core 2 Duo processor E6700 outperformed the older systems on recalculating business revenue using Microsoft Office Excel 2007 due to the faster processor and chipset and the heavily multithreaded nature of Excel 2007. The improvement is likely due to the processor's larger L1 cache, faster memory access, and, of course, multiple cores.

For more information on these tests and to see the full test report, visit: www.principledtechnologies.com/clients/reports/Intel/vProVistaPred.pdf.

KEY FINDINGS

- The Intel® vPro™ technology based PC featuring the Intel® Core™ 2 Duo processor E6700 yielded significant performance advantages for users on our revenue recalculation test.
- The Intel vPro technology based PC with the Intel Core 2 Duo processor E6700 finished our three test tasks on average 2.71 times faster than the Intel® Pentium® D processor 930 based PC.
- The Intel vPro technology based PC with the Intel Core 2 Duo processor E6700 also finished our tasks on average 4.68 times faster than the Intel® Pentium® 4 processor 2.8GHz based PC.
- These performance improvements translate into multi-second time savings that would be noticeable to users.



PERFORMANCE RESULTS (seconds)				TASK	COMPARATIVE RATING			
Intel Pentium 4 processor 2.8 GHz on Intel D865GBF	Intel Pentium 4 processor 630 on Intel D945GTP	Intel Pentium D processor 930 on Intel D945GTP	Intel vPro with Core 2 Duo processor E6700 on Intel DQ965GF		Intel Pentium 4 processor 2.8 GHz on Intel D865GBF	Intel Pentium 4 processor 630 on Intel D945GTP	Intel Pentium D processor 930 on Intel D945GTP	Intel vPro with Core 2 Duo processor E6700 on Intel DQ965GF
133.56	116.10	77.34	28.55	Recalculating business revenue	1.00	1.15	1.73	4.68