



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 which uses Intuit QuickBooks Pro 2006. 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: viewing a set of memorized reports in Intuit QuickBooks Pro 2006

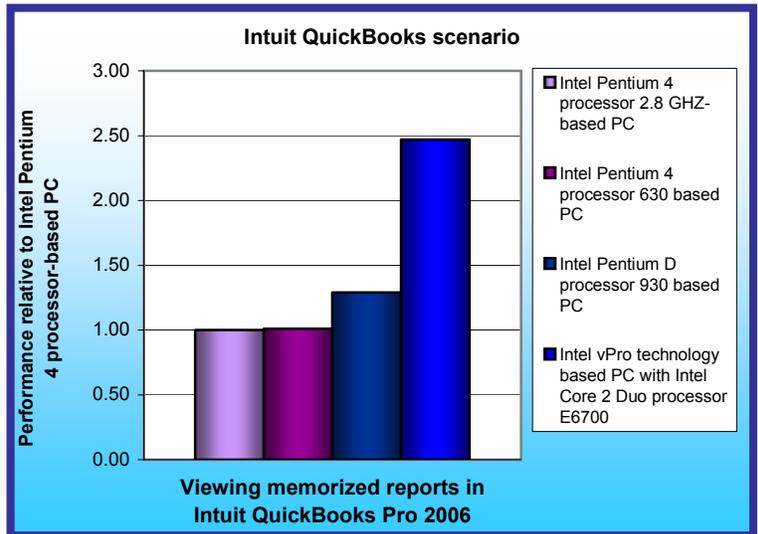
Mark Owens is in charge of examining the books of a company, Rock Castle Construction, that his firm is interested in acquiring. He instructs his accountant to go through Rock Castle Construction's Intuit QuickBooks data file and prepare multiple memorized reports for him to review. When Mark receives the QuickBooks file from his accountant, he loads the file onto his system. He then opens the set of memorized reports to view Rock Castle's overall performance since its inception.

The Intel vPro technology-based PC with the Intel Core 2 Duo processor E6700 outperformed the older systems on viewing a set of memorized reports in Intuit QuickBooks Pro 2006s due to the faster processor and chipset. 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 QuickBooks Pro test.
- The Intel vPro technology based PC with the Intel Core 2 Duo processor E6700 finished our test on average 1.91 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 task 2.47 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
10.26	10.11	7.94	4.15	Viewing memorized reports in QuickBooks	1.00	1.01	1.29	2.47