

Intel Delivers New Era For Virtualization

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Delivering the industry's first hardware virtualization support for desktop PCs, Intel Corporation debuted new processors today that offer businesses improved manageability and bolstered security.

Virtualization allows a platform to run multiple operating systems or applications in independent partitions or "containers" that can be tailored for specific needs such as IT management services and protecting networked assets.

"With innovations such as Intel Virtualization Technology built-in, Intel is at the forefront of tackling some of the biggest IT challenges facing businesses today," said Robert B. Crooke, vice president and general manager of Intel's Business Client Group. "Analysts believe virtualization is one of the most disruptive technologies to the PC in a

decade, and our technology combined with our industry enabling efforts are going to help bring this into the mainstream.”

With virtualization support, businesses can maintain full control of a portion of a PC to run security or management services without interrupting the end-user or allowing them to easily tamper with critical applications. Businesses can better protect themselves from malicious code or viruses by filtering network traffic through a separate IT partition before it reaches the user.

Configuring multiple partitions on a PC improves manageability by providing support for legacy applications while testing and adopting new operating environments.

Intel Pentium 4 processor-based desktop PCs are being offered by Acer, Founder, Lenovo and TongFang. Lenovo is now offering Intel Virtualization Technology-based pilot systems to select customers, and broad support for desktop PC solutions from several other system manufacturers is expected in the first quarter of 2006. In addition, leading industry virtualization solution providers including VMware, Microsoft and Xen have joined Intel in support of Intel Virtualization Technology on future Intel processor-based PCs and servers.

Further evolving “built-in” world-class IT security and manageability capabilities for businesses, Intel will deliver the second phase of another premier platform innovation – Intel Active Management Technology – together with virtualization support on its dual-core Intel Professional Business Platform, codenamed Averill, later in 2006. Virtualization capabilities will also be extended to notebook PCs, and the company will first support this through Intel Centrino mobile technology-based platforms in 2006.

Businesses are also benefiting from virtualization for their server

applications primarily through enhanced functionality and workload support. Intel announced last week that it is shipping Intel Xeon processors MP with hardware-enabled support for Intel Virtualization Technology. The company will begin shipping this same technology on Intel Itanium processor-based platforms in mid-2006.

The benefits of virtualization can also extend to home and entertainment activities. In the future, home PC users will be able to create virtual “partitions” isolating several user environments such as dedicated Web browsing resources, productivity software applications, personal video recorders and offering service providers access for remote diagnosis and repairs.

Desktop PCs based on the Intel Pentium 4 processor 672 and 662 processors with Intel Virtualization Technology are available today on systems being offered by Acer, Founder, Lenovo and TongFang. The Intel Pentium 4 processor 672 and 662 are priced at \$605 and \$401 respectively, in 1,000-unit quantities.

Source: Intel

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