



Look Inside.™

Virtualizing for success

The Intel® Xeon® processor E5-2650 v2 product family helps Hungarian Cetelem Bank keep up with customer demand for new services



“Server virtualization based on the Intel® platform provides us with a flexible and reliable server environment, which helps us to quickly meet customer demand for new services in a cost-effective way.”

*Endre Ligeti,
IT Architect,
Hungarian Cetelem Bank*

Company

Hungarian Cetelem Bank, part of the BNP Paribas Group, offers personal loans, retail loans, credit cards, and insurance to over 400,000 customers. Its success relies on a highly available, fast-performing, and flexible IT infrastructure—75 percent of which is virtualized to save space and energy and keep costs down.

Challenge

To remain competitive, Hungarian Cetelem Bank is under increasing pressure to quickly roll out new services—many of which must be available online, 24x7. These services must also comply with international, as well as Hungarian, legislation. The bank's challenge was to find a virtualized IT infrastructure to support these strategic demands. It needed to be fast, reliable, and secure, and allow for easy extension in the future.

Solution

The bank rolled out a new infrastructure comprising 20 Intel® Xeon® processors E5-2650 v2 product family supporting up to 15 TB of memory and 10 Fujitsu PRIMERGY® BX924 S4 blade servers running VMware® virtualization software. The Intel Xeon processor E5-2650 v2 product family offers increased performance paired with energy-efficient operation compared to previous-generation Intel Xeon processor-based servers^{1,2}. Intel® Trusted Execution Technology (Intel® TXT) helps protect virtual machines from malicious software attacks³. Intel® Advanced Encryption Standards New Instruction (Intel® AES-NI)⁵ accelerates the speed of encryption or decryption, making it possible to use the stronger encryption keys without a performance penalty^{3,4}. In addition, Intel® SecureKey⁴ and Intel® OS Guard³ technologies help protect data.

Benefits

A virtualized IT infrastructure running on the Intel Xeon processor E5-2650 v2 meets all of Hungarian Cetelem Bank's needs, offering the required flexibility, reliability, and performance to quickly get new services up and running. The processor's built-in security features also help keep customer data safe and meet rigorous security and compliance demands, while highly energy-efficient performance helps keep costs down. But most of all, being able to respond to customer demand in a speedy and cost-effective manner helps the bank remain a key player in a highly competitive market segment.

Find the solution that's right for your organization. View **success stories from your peers**, learn more about **server products for business** and check out the **IT Center**, Intel's resource for the IT Industry.



¹ Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations, and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to <http://www.intel.com/performance>

² Previous Generation¹ baseline configuration and score on Server-Side Java[®] Energy Efficiency benchmark: Intel® Server Board S2600CP platform with two Intel® Xeon® Processor E5-2690 (2.9GHz, 8-core , 20MB L3 cache, 8.0GT/s, 135W), Hardware Prefetcher: Disabled; MLC Spatial Prefetcher: Disabled; DCU Streamer: Disabled; DCU IP: Enabled; Balanced Perf Mode, 32GB memory (8 x 4GB DDR3L-1600 ECC REG), Microsoft® Windows Server 2008 R2 SP1, IBM J9 VM 1.7.0. Score: 4,033. Source: Intel TR#1299 as of 12 Aug 2013. 'New Generation' configuration and score on Server-Side Java[®] Energy Efficiency benchmark: Intel® Server Board S2600CP platform with two Intel® Xeon® Processor E5-2697 v2 (2.7GHz, 12-core, 30MB L3 cache, 8.0GT/s, 130W, C0-stepping), Hardware Prefetcher: Disabled; MLC Spatial Prefetcher: Disabled; DCU Streamer: Disabled; DCU IP: Enabled; Hyper-threading: Enabled; Turbo: Enabled; Balanced Perf Mode, 32GB memory (8 x 4GB DDR3L-1600 ECC REG), Microsoft® Windows Server 2008 R2 SP1, IBM J9 VM 1.7.0. Score : 5,670. Source: Intel TR#1299 as of 12 Aug 2013.

³ No computer system can provide absolute security. Requires an enabled Intel® processor, enabled chipset, firmware, software and may require a subscription with a capable service provider (may not be available in all countries). Intel assumes no liability for lost or stolen data and/or systems or any other damages resulting thereof. Consult your system or service provider for availability and functionality.

⁴ No computer system can provide absolute security. Requires an enabled Intel® processor and software optimized for use of the technology. Consult your system manufacturer and/or software vendor for more information.

⁵ Intel® AES-NI requires a computer system with an AES-NI-enabled processor, as well as non-Intel software to execute the instructions in the correct sequence. AES-NI is available on Intel® processors. For availability, consult your reseller or system manufacturer. For more information, see <http://software.intel.com/en-us/articles/intel-advanced-encryption-standard-instructions-aes-ni/>.

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