SUCCESS BRIEF
Intel® Xeon® processor E7 family
Technologies for Tomorrow's Cloud

Building confidence in the cloud

OpSource increases customer confidence and operational excellence with Intel® server and storage technologies

OpSource™
A DIMENSION DATA COMPANY

"How often do you get excited about a processor? We are actually excited about the Intel® Xeon® processor E7 family because of Intel® TXT and the ability it gives us to segment and isolate VMware hypervisors. We see a lot of value in that capability, and we're pushing the vendor community to provide broad support as soon as possible."

– John Rowell, Chief Technology Officer, OpSource

COMPANY

OpSource provides cloud Infrastructure-as-a-Service (IaaS) and managed hosting solutions that enable businesses to accelerate growth, scale operations, control costs, and reduce IT infrastructure support risks. OpSource data centers maintain numerous security certifications and are located in California, Virginia, England, Ireland, and India.

CHALLENGE

OpSource needs data center technologies that deliver outstanding performance on a wide range of enterprise workloads while helping the company optimize its data centers and maintain affordable pricing. To increase customers' trust in the cloud, OpSource focuses on a defense-in-depth security strategy and a foundation of highly-regarded technologies.

SOLUTION

OpSource standardizes on Dell PowerEdge* servers and Cisco Unified Computing Systems (UCS*) based on the eight-core Intel® Xeon® processor X7560, Red Hat Enterprise Linux*, and VMware vSphere* 4.0. OpSource also deploys EMC VNX5500* unified storage platforms with storage controllers based on the Intel Xeon processor 5600 series. John Rowell, OpSource's chief technology officer, says he looks forward to deploying the Intel Xeon processor E7 family, particularly for the benefits of Intel® Trusted Execution Technology (Intel® TXT) and Intel® Advanced Encryption Standard New Instructions (Intel® AES-NI).

BENEFITS

With Intel server and storage technologies, OpSource delivers the performance, scale, and reliability its enterprise customers need, giving them the confidence to bring their workloads into the cloud. OpSource also increases density and reduces power costs, a major component of the operating budget. The Intel Xeon processor E7 family will provide additional performance, density, and security capabilities for the virtual environment while further improving power management. "We buy based on power, and Intel's power cost per CPU is outstanding," says Rowell.

Find a solution that is right for your organization. Contact your Intel representative or visit Intel's Business Success Stories for IT Managers at **www.intel.com/itcasestudies**

No computer system can provide absolute security under all conditions. Intel® Trusted Execution Technology (TXT) is a security technology that requires for operation a computer system with Intel® Virtualization Technology, an Intel Trusted Execution Technology-enabled Intel processor, chipset, BIOS, Authenticated Code Modules, and an Intel or other Intel Trusted Execution Technology compatible measured virtual machine monitor. In addition, Intel Trusted Execution Technology requires the system to contain a TPM v1.2 as defined by the Trusted Computing Group and specific software for some uses. See http://www.intel.com/ for more information.

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 select 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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